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THE HIGHER INSTITUTE OF ELECTRONICS

BEN! WALID

The Embassy of the Socialist People's Libyan Arab Jamahiriya

The Institute of Electronics caters mainly for Undergraduates and lectures are condocted in English. Students linke in throeyear course in Electronics and focumenta-tions Engineering leading to a B.Se. Degree. The Institute is situated at Bein Walid. 176 km from Tripoli, where all students and stall are accommodated on campus.

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riollos 6,900-7,350 per monin (34.2 zis - 11 al procent) also glescillange) tax frog plus stelling subsidy of £033 ps.

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mudical scheme; employers yention of UK.
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Paturn taras are paid, Leosi nontinei is guasanteed by the Grilleh Council, Please write buildly stating qualiflocitons and length of appropriate capariance quoting ratevant reterence number and little of post for lurther details and an application form to The Schiah Council (Appointments), 35 Daylee Street, London Will 2AA.

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Tecknology. mointaining ligison white the lead and calated industries;

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tion, and spon-tion.

further details may be a tained from the Assessi Registrar, DWIST, Card CFT 3NU.

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DAL TELEK

Intending Applicants should obtain a Schedule of Dutles from the Staff States, Level S. Switching 15, 124 Ln Trobe Street, Meliscurne. Telephone [03] 345 2822 st. 2488. Applications should be enthropped to the Registror, R.M.I.T., Sex 2789, G.P.O., Melbourne, Victoria, 3001.

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Ref. no. 120/17/AZ

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The University of Melhourne is currently reviewing the organisation, stencing and countrie of its specific and recreational activities and the numerous associated facilities.

It wishes to oppoint a person who will play a significant role in the further development of policy making in this important area. This appointment will be to a newly established and challenging position of Director of Sport and Physical Recreation.

The successful applicant will have major responsibilities to the development and aductaiscration of sport and physical recreation within the University. The responsibilities of the position will also emigrace those currently performed by Mr. W. K. Tickner, Secretary/Treasurer of the Recreation Grounds Committee, who will retire in December, 1973.

December, 1977.
There are presently 44 active sporting chiles organised land o Sporta Union and the nete Director will be required in flaise with student representatives, sporting associations and nitier budies to achieve an effective administration of three clubs; the Director unit also have responsibility for the organisation of the allocation of resources in connection with these clubs iltrough the University Sports Union Connect, in ordation to Director with floid with the sendent ussociations of the University Faculties, Colleges and Halls of Resolutes.

Outlifications: It is expected that the person amorbing

Faculties, Colleges and Halls of Residence,
Qualificollars: It is expected that the person appointed
will be on entirelist and a capable adultaistance, with an
ability in relate to young people. Such a person will also
have a whice knowledge of sport and tecreated and the
niality and enthulasm to dereche new sportler outrecreation programmes, including "unstructured"
recreation, in a University environment. Techary qualificathus will be an advantage, Subry: Appointment will
be at the Senter Administrative inflicer level within the
salary range of ASIS, 17B-AS21, 021 apr amount. The level
of appointment will be according to qualifications and
experience.

Further information is available from Mrs. C. Hayward,

Closing date for applications is 22nd August, 1977. Written opplications qualing position number FN.229 should be olderssed to the Biolf Differ, University of htelbourne, Parkvitte, Vic. 3032.

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Further parliculars and application form (to be returned by the 15th July, 1977) from : The Personnel Officer, City of Birmingham Polylechnic, Room B.310, Perry Barr, Birmingham B42 2SU.

THE TIMES Higher Education

July S, 1977. No. 298

SUPPLEMENT

Minister's decision clears way London bitter for UK science foundation

hy Clive Cookson science correspondent

is to serve, omong other things, os a headquarters for many smaller scientific societies and as a much needed meeting place for the different branches of science onli technology; its primary enminiment will be to the development of interdisciplinary cooperation.

Plans for the creation of the foundation have been held up by the refusal of Kensington and Chelsen Council to give plenting permission for the science centre to be sot up in a large Edwardian building presently used as a convent school on the corner of Chepstow Villos and Denbigh Road in Notting IM.

Sultan's delight-

£100,000 cheque

The University College, Buckinghum, has received a surprise denamen of £100,000 from the Sultan of Brunel, A cheque, in a brown envelope marked "not n circular" and signed by the crown agents of Brunel, orrived unlersided in the college inst week.

Some of the money that already been carmarked for the modernization of a farmer Franciscan manastory spudred by the rollege, known as the "independent university", earlier this year. It is the largest single money to be received since the college upened two greens and

years ago.

Professor Max Beloff, the principal, said this week the money was welcome but he denied that Bucking ham, which relies heavily on private donations cloug-side high fee charges, was in financial difficulties.

The chequa arrived without an accompanying letter and we can use the money for whatever purpose we want, he said.

nd we can use the money for manifest the Sulton sent", he said.

There had been indirect confoct with the Sulton about the college has the glft had not been expected. It was a cuincidence that a Minister in the Brunel Government was planning to send his son to the cullege next year.

the Franciscan monestery, taken over from a Buck-

And Franciscall monestery, taken over from a Bucklightm secondary school, will house new teterial
mones, staff accommodetion end a sophisticated lanlange laboratory financed by the Volkswegen Institute.
Student members one expected to reach 250 next
at 100 more than the current level. Applications for
the ginning of the college's next accdedite year in
a prospective students have already been made for
the when two new courses leading to the college for
the in accounting and financial members and

Mopoan studies, ore to be added to the curriculum.

this letter announcing the decision brought out in a recent joint report on the princery was well suited in the Royal Society and the British Academy, more successfully if they are grouped trackers with the recent part of they are grouped trackers with the recent part of they are grouped trackers with the recent part of the recent par

n deal thought to be worth of least

on the corner of Chepstory Villos and Denblgh Road in Notting IEM.

However Mr Peter Shore, the Environment Secretary, last week overruled the coincil following o public inquiry and permitted tha conversion of the alx-storey redictions of the alx-storey redictions of the problems of infletion.

The financial plight of many such in the organizing committee, Dr. West says.

There is no question of official Government finance for the scheme, and, a formidable fund-raising alrive come the problems of infletion.

A United Kingdom Foundation for science and Technology, the subject of discussion for decades and of discussion for decades and of discussion for decades and of corresponding behind the scenes for four years, is about to be burn.

The foundation will have its decay premises in London which will know a major science centre. This is to serve, enouge other things, os a headquarters for many smaller scientific societies and as a nucleing meeded meeting place for the different control of science and the deal thought to be worth of least the science and the science of science and the science science and the science of science and the scienc

In deal thought to be worth of least film.

The steering committee decided this week that it was not reody to reveal details in firs plans and the way they will be financed, es negotions are not yet complete.

Hundreds of learned societies, large and small, will soon be recaived ing questionnaires from the organization and thriving meeting place for scientists and technique are interested in moving into the centre, and, if so, how much apoce they want and on what terms.

The financial plight of many such in the financial plight of many such in the centre i

CRUMBLE

UNIVERSITY

about grant shortfall

schools and colleges. Meny principals, who have protested to the clerk of the university court, feel that Lomion has fared even worse than other universities, where the overage estimated shortfoll in next year's grant is between 2 and ner cent.
At London, however, the colleges

At London, however, the colleges lisve estimated shortfells of 4 ter cent (Chelses end King's), 5.2 per cent (Westfield), 6 per cent (Bedforn) and 7 per cent (University College).

Mr T. R. Stewart, clerk of the court, said this week that the university would have to consider what, if enything, it would do obout these reactions and that representation to the UGC was a possibility.

In letters to heads of department

tation to the UGC was a possibility. In letters to heads of department end the court, Lord Annan, provest of University College, has said that the cut imposed by the Government on universities would fill more heavily on London than elsewhere. That was because London had a largo number of medical schools which were extremely expensive to maintain, and had inflicted upon them by the Deportment of Henlih and Social Scourity costs against which they had no redress and for which the university was not compensated.

not compensated.

In opother letter to the court, Dr.
Brian Threates, principal of Westfield College, says the Government's
assumption of five per cent pay
inflation was "quite unrealistic"
He asks to what level the Government would allow salarles to the
before supplementing the universilies' grout: every one per cent increase in salarles for which they
were not supplemented cost the college an extre £20,000 on present
staffing levels.

In the letter of allocation the clerk of the court said that provision had been included for inflation in 1977-78, but of a much lower rate than the 5 per cent (pay) and 12 por cent (non-pay) on which the UGC based its allocation.

The court fully expected that schools would find their new grants for 1977-78 "seriously inadequate in relation to their escimated grant needs for that year".

in the light of the Mar It estimates that the reduction in in the light of the Mar income in 1927-78 commared with 1976-77, second put the cost of extra inavoidable commitments, would be of the order of 4 per cent and more Mr John Akker, deputy secretary Teaching aids the Association of University

Teachers, suid the association wes asking the university for informetly on how it calculated its allocations. Recurrent grants for 1977-78 of some London achools and colleges

Catasses

King's Chilege

London School of Economics

Queon Elizabeth

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Royal Holloway Jueon Mary Royal Holloway School of Oriontal and African Studies 3.006 14.980

Imperiat College Middlesex Hospital Medical

St Bordiolomew's Hospital
Medical College 1.919
University College Hospital
Medical School 1.545
King'e College Medical School 1.429
British Postgraduote Medical
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Content.

South Africa

The Voortrekker monument is a major symbol for South Africa's National Party, Jack Spence reviews seven books on that country's past and its possible futures, 16

Poly Profile

Suc Reid visits Preston Polytechnic, the last to be designated, 7

Marxist historian

·Few of our revolutionaries believe their own cant "-David Walker talks to Eugene Genovese. American historian of the deep South, 9

The Commonwealth

Geoffrey Marshall reflects on the constitutional niceties of the Commonwealth, 15

Darling buds of Kent Dr Harry Darling.

retiring principal of Wye College, talks to Clive Cookson about agricultural education and research, 8

Play of our time

adaptations of Shakespeare in the light of the Marowitz

Patricia Santinelli meets Dr Robin Moss, the new director of Leeds University's audio visual service, 9

	S . 1 dv 1 * U
Don's Diary	5
Noriceboard	6
North American News	12
Oversers news	13
Letters	14, 27
North American news	12
Books	16-19
Classified index	20

Sir Ieuan is new BA secretary by David Dickson

to Journ Maddock, who retired belt his year as chief scientist meted for Magnus Pyke as secratory of the British Association for the Advancement of Selence.

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was little ovidence that o high national preoccupation with re-search had been matched in englnecting industries.

an studies, ore to be added to the curriculum. "Typical of our luck, Beryl, the Sultan of Brunet has sent us his laundry bill."

"I have become more and more envinced during the pest decedo that we must become more concer-ned with epplying technology rather thon generating it."

He was controller responsible for industrial bechnology in the then Ministry of Technology, from 1957 to 1971, when, following the Rostschild-inspired reorganization of Government sponsored research, he was appointed chief scientist. He restred as the beginning of this year.

and appointment coincides with that the BA at Lanesser shirts, Sir Ieuan has spent his spent association's economic and appointment coincides with the association's efforts should working life in Government service, by the application of desirable the application and speaking are last year's onunal seeing of the BA at Lanesser services. He was appointed head of the field experiments division of the Atomic Weepons Resonance with the service of the University of Woles, Sir Ieuan has spent his working life in Government service, ling of the BA at Aston University in explosives and arms head of the field experiments division of the Atomic Weepons Resonance with the meeting of the BA at Lanesser appointment of the University of Woles, Sir Ieuan has spent his working life in Government service, by the distribution of the BA at Aston University in explosives and arms has appointed the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed the BA at Aston University in explosives and arms has appointed to Britohi's economic and speaking at last year's onunal sign of the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed the BA at Aston University in explosives and arms has appointed the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has appointed to the BA at Aston University in explosives and arms has a provide the BA at Aston University in explosi

More than 1,200 are experted to attend the north Communist unicer-sity of London, a week of discussion of Marxist theory and politics which opens minurow at University Cullege London and is chimed by its organizers to be the "higgest Marxist event of the year ".

A wide range of courses embrace topics that extend from mineteenth-century realist painting through recent developments in working-class history to "60 years of Soviet Power" oud "Strutegy far Revolution in Western Eurape".

Pre-conference registration has been considerably higher than last year, and the organizers expect in increase of about 20 per cent. Roughly buil of chose who have already registered are sendents and lecturers in universities and poly-technics, most of the rest coming from political organizations and the

"The Communist university has two main aims", explains Ms Sally Hibbin, who is this year's chief organizer and a cescarch student at University College Landon. "The first is to help students and others involved in higher education in dewhere in figure entireting in de-velop a reideal approach in the material that is thought in their rourses. At the same time, we hope that the disrussions will make

nevelopment of Marxist theory.

The weel: will be divided into 23 specialist and 17 general courses. Specialist impices inclinde art and design, education, law, industrial relations, science and production and health and seed and production. 2.3 specialist and 17 general courses.

Specialist topics include art and design, education, law, industrial fearth from them. We do not demand a monopoly for the same reason and health and social care tincluding "a visit to a factory, mine or immapply of other approaches", he

Tighten belts

by Aberdeen

All members of staff at Ahendeen

University have licen advised of the

gravity of the university's current

"Rensonably conservative esti-

The engousced recurrent gront for the floaurial year 1977-78 was

warning

are inflirence on the tiss time political science and "recent de-velopments in Marxist theory". Speakers on the last of these, which is already Reavily honked, will in-Ist van Meszurus.

areas which "transcend the nen-demit larriers", will include fascism, "sexuality and human nature" and "The British labour movement" as well as courses in music, imperialism and feminism

"The surcess of the Communis university in the past few years has been doo to the apen and crea-tive style of Marxism which it has been concerned in develop.", Mr Spours, national student fiver of the Communist Party,

"We are trying to open up Markyee are a ying in apen up wan x-ism philosuphically to non-Markin perspectives, and move away from the dogmatism of the past to a new creative position. An increasing number of those who attend the discussions are non-Communists, who this year will probably be in the

Mr Spours said that one of the aims of the Communist university was in demonstrate that Marxism was a legitimate area of academic

BR move hits student travel firm

British Rail is refusing to allow the newly established Landon Student financial position, and asked "init-vidually and collectively", to co-operate in making stringent econo-Travel Ltd to handle the distribution of student mil cards in the coming academic year, a muve that will cost the firm £16,111.

A capy of a letter circulated by the principal, Sir Frager Noble, to lecade of department early in June, hos now oppeared in the holleria, a The campuny, set up by Lambor indents following the cullapse of NUS Travel last November, planned no bright distributing cards and enlircting commission on their sale tills antumn. But British Rail's chairman, Mr. Peter Parker, has ruled that the ruris will be distributed to central London's 50,000 students from Enston station's travel centre. mates suggest that even if we inject the whole of the surplus that careful housekeeping has made possible for 1976-77, we shall be about £0.25m in deficit at this time next year. The pravisional allacotion for the year then starting, which we shall be entering already in deficit on current account, is even less generous", states the letter. ravel centre.

Miss Lyn Milliagron-Wollace, Miss Lyn Milliagron-Wollace, leed if the rewel service bourd, said this week thou acquimions with British Rall hod praved unsuccessful. She added: "We did originally hope to sell the cards and expected commission to raise £16,000 in funds. Bot this figure than now not been included in the budget for the yeor."

less in real terms that for the year Just ended. Thore was now a consensus among vice-chancellurs that 1977-78 would prove to be the most difficult year financially since the economic cyisis hegen. A beridge manager of the large surfaced as The company emphasizes that it is still cuttrely viable. London student nuians have lought blocks of shares in it and some of the larger ones plus investments of martine. deen unpeared to have sustained a reduction in real income twice as reduction in real income twice as reast as the national average and it was unlikely that the University Grants Coomlines would be able to give one edditional essistence.

But the company has warned that British Rail may face difficulties in coping with the demand for cards. Last year in the first six weeks of the ocademic year the flow, defunct NUS Trovel, in whose former offices It was against this gloony back-ground that the court had had to instruct strict economy throughout the university. The court had re-affirmed instructions that all yacanthe new company operates, distri-buted 10,000.

dies for ecademic and other sufficies for ecademic and other sufficies for ecademic and other sufficies be corefully scrutalized and approved for filling them would normally be given only where it was essential to meet an existing necessary commitment. The scope for rationellzing services would be examined and it would be necessary to accept some lowering of stendards. Miss Milington-Wallace said: "I feel that British Rall is going to bove problems in terms of sparo and in proving the eligibility of students achieve for the control of th asking for the cards of his travel centro. We work with students, and know who is eligible."

A British Rail spokesmen added:

"We muy hove problems in October but we are prepared to staff up to meet the extre damand. Eustin and the staff up to meet the extre damand. Even in the present circumstances, the court felt it would be inappropriate to impose a complete ban on meetings of learned spelcties but in other corses a complete embarga might have to he imposed.

might have to be imposed.

The claimed that since the collapso of NUS Travel with debts of nearly fine mility of the work the university does and the ability to pay its stoff will be at stake, the principal's log over responsibility for the constant. will be at stake", the principal's lag over responsibility for the com-letter concludes PESS. try-wide distribution of the gards,

Postgrad awards inadequate Cranfield head complains

by Clive Cnokson

Britain's postgraduate grant system uzeds a fundamental review, according to Dr Henry Chilver, vice-chan-rellor of Crouffield Institute of Techn Jogy. Cranfield is finding Increasingly that conventional awards, such as those given by research condells. are inadequate for its experienced pastgraduate students an higher, degree courses, Dr Chilver prites in the Institute's annual report. The average age of Creatical's students is 26, must having worked in indus-

try for a number of years.
"If these awards were financed at a more appropriate level and pos-sibly in smaller numbers, thoy could ensure a supply of highly skilled

posignaduate mannawer for key positions in industry", he suggests, The report shows that Cranfield now receives more industrial support for its postgraduate teaching and research than any other instantion of higher education in the United Kingdom. Thirty per cent of its total income of £8.2m for the year 1975/76 was derived from year 1975/76 was derived from sponsorrd research and develop-ment studies; the Department of

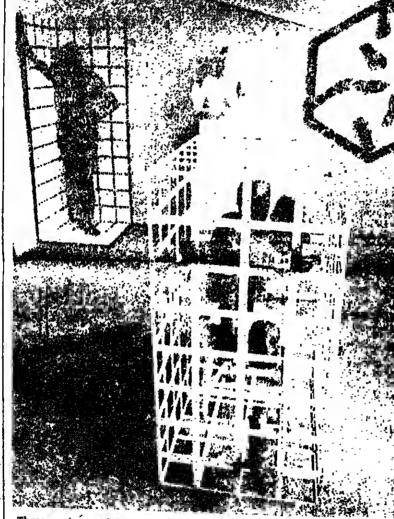
Education and Science recurrent grant provided 52 per cept and inition fees seven per cent. The number of students who attended courses reached a record

The institute assisted more than Lifth the institute assisted more than Lifth industrial firms over the year, through tenching, research and the new continuous conti advisory services, "Cranfield students - almost with

out exception--return to ringers in industry, and the institute's teaching offers a most efficient means of educating and training gradest engineers, technologists, applied scientists and managers in the early years of their eneers", writes Dr. Chilwar.

Chilver.

A new organizational structure was approved by Cranfiehl's Conneil this year, fullowing the incorparation of the National Cullege of Agricultural Engineering into the institute. There are now five faculties instead of two—manufacturing technology and production management, agricultural engineering, science and technology, engineering, and management and afair. ing, and management and admin-istration—containing 16 academic departments and research units.



These pupier maché live casts by Sac Reiling were some of the exhibits at Leleester Polytechnio's degree show lost week. The exhibition included painting, sculpture, fushion, interior and grophic design, silver and

Schools want pupil follow-up

Schools would welcome more feed-back from universities and puly-technics about the ocudentic pruguess, of their farmer pupils and tha adequacy of athorwise of their preparation for higher oducation.

A conforence of school beads to prepare their students.

Universities, and the London poly-technics, run a relatively good information service also eath which

A conforence of school beads organized by Chelson Collego, Lundon, last week, on a routes to higher education agreed that leading the provided in the condition agreed that leading the college schools and sixth form colleges could use the information to limprove thoir reaching methods, it was said.

One suggestion was for e written reducation, another that the information could be conveyed onore sation could be conveyed onore station of the s

Full-time Bri offered to FE teachers

Rate support gr talks begun-Mrs Williams

Discussions with lical advantations along the feet cortain percentage of them port gram to be carried education have started by Hous, Sicretary of State of tion and Science, said layed by an indicate reference of In an intireet reference B

In an indirect reference at anthornies reputed in his some of the money provide education in other way, he liams soid this simply resources harder to get in his She told the Society of flow. She told the Society of flow any genuine guarantee hat refer is not genuine guarantee that refer is backed by the Government in the schleved theo a small of the schileyed theo a small of the schileyed theo as small of the schileyed theo. of the rate support grant.

Referring to the fields the rate support grant. said it was the most fe contribution of any countribution of any countribution of any countribution of any countribution all otember rountries of the proof number rountries of the pean Ecanomic Community.

The cause was not just a mineral demographic bulgo togather in contract of the recession in world economy, were also disturbing signs in a propers were now more related to purposes were now more related to purpose were ageneration ago, were a generation ago, were a generation ago, and it is puriously in the results of particularly in the results of particular about the countries. courribution of my county

Adve of its tirst and the inchnology.

Mr Adve, who is on seem of the seem of the SRC program of the SRC program of the seem o

OU lecturer

tribunal told

not victimized

as a result.

He dealed that the university's

The first lachelor of edicat-gree for teachers of further tion will begin at Welverles belytechale in September. The year full-time course has designed by lecturers has designed by lecturers from the terhnic and from the lower verhampton Technical Technical Technical September. The course, which he jar ceived validation from the fa-for National Academic Aug.

for those who have done he in Higher Education cone of our third education cones of equivalent qualification to might be an Open Universit or a social sciences uses entering the course with m least two years' ludwing mercial experience miner nge is experted to be been and 30. The aim will age students to teach goodely munication studies loke.

course leader said this sait will not be a conventioning rourse where education adv The first two terms will

preartical work and thought weeks of tearling practic third is deroted to consider sign for which students off to complete a study in the field.

Ale Konraal hoped is 20

pussible soon to after the course which would upo initial Diplir or equivalent cation. Students would be terms full-time or three before starting the Bid Rereplace the persent care education course of the Mar

Youth groups' mixed feelings about Holland report's £96m

by Judith Judd

The Government's commitment in spend £96m a year implementing anich of the Holland report was welromed with some misglyings by youth organizations this week. The National Union of Students was pleased by the size of the sum put worried that the specifically vocational and short term nature of the Manpower Services Commission courses, compled with their minimum support for rel 16 to 16. by Sue Reid

The Open University's controversist art and environment course, which emphasizes student creativity, provoked ongry leners from students when it was launched lost year, oo industrial tribunal in Bedford has been told. But Prolessor Joho Sparks, denn of the university's furelty of technology, told the hearing, which was examining a claim for redundancy payments by Miss Suxon Triesman, a former another of the course team, that arademics who designed the programmo were not victimized as a result. of the Manpower Services Commission courses, compled with their mandatory grams will tempt young people away from cunting their full-time education through ordiodix further character arrange with the programme was a constitution of the programme

Madelling students at the London College of Fashion display designs by students on the college's light clothing and lailoring courses. The 30-minute fashion show was part of an exhibition last week entitled "Foshion at Work—1977".

the prugramate, which will help 230,100 young people carh year, will involve on-the-jub training in further education estoblishments and skill centres. Participonts will receive £18 n werk including £2 travelling expenses. There will be work experience os well as work. The Council is planning to get the cansumers' view of the propagation courses.

The NUS said they the classical reading and young needless of meetings of young needless.

derision not in renew Miss Triesman's contract when it expired at the rad of last December was because she was blanted for the rourse material. Fullowing the arceptance of the course by an internal university committee "cerything was done to ensure its success."

Professor Speake with the university's The NUS said that the olloration of an extra 10,000 further culicotion places over the next three years did nothing to lategrate the competing vorational and educational

Professor Sparks said there were no tonated appointments of women aradeolra in the fuculty of technology, "There was no full time join for Miss Triescan after December, But her abilities were not in doubt regarding her work on the course

Affets of employment were fur-saided to her in Jenuery. This, said Miss Triesmau, was when she of University Teachers.

The Council is planning to get the cunsumers' view of the programme by bolding thousands of meetings of young people in MSC projects, further education and ot school.

The tribunal was told that Miss Triesman lost her £5,120 o yenr jub as tropporary lectures by the faculty anough contract, which begon in September 1974, had been extended by seven anough. A waiver clause sent placed in the seroad contract, Issued in have defended the university oguinst claims of unfair dismissal or related by the faculty for Educational Research urges.

The report backs tertiary colleges

Treditianal sixth forms should be replaced with a new kind of rallege where 16-19 year olds will take a lege where Traditional sixth forms should be replaced with a new kind of rallege where 16-19 year olds will take A level and other exeminations, a report from the National Foundation for Educational Research urges.

The report, published today, snys that on educational es well as financial grounds, local outhoritiss should sot up such terriary colleges from the 16-plus group offer. e-finished today in the 16-plus group offer. e-finished the feet there education. In future, young ncopic might leeve school at 16 then sprind time in non-compulsory colleges and economic cunsiderations both

leggy rovering boll ecedemic end favour the 16-19 college, The case wocarionol work before moving on to jobs or higher education.

Written hy two mambers of the whot is called the tertlary college. Written hy two mambers of the whot is called the tertlary college. The case for employing and not to o churse. Miss sole for appointment to this course to the but not suitable for an appointment to this course to the stitude discipline. He told the discipline. He told the stitude and covitoninont full credit from 12 to ebout 22 per ceet. Many children in sixth forms ownedness.

I leggy rovering boll ecedemic end for endemic cunsiderations both excase favour the 16-19 college, The case for endemic provide and economic cunsiderations both excase favour the 16-19 college, The case for endemic end

isbattal that the unusuel nature of the art and covitionment full credit second level course required a portain aurow knowledge of a particular appointed on this basis,

The tribunal which is expected and that payments to Miss Triesman hed been sidd that payments to Miss Triesman her basis, which appayments to Miss Triesman her and that payments to Miss Triesman her payments which is expected that the payments were further than the provided his payments were further than the unusual nature of children in sixth forous onwadays, collider in sixth forous onw

Government accused of hedging on tuition fees

The Government appears to be backing down on its commitment to take an extra fithm from thining fees in 1978-79, according to a parlimmentary answer given by Mr. Oakes, Minister of State overseeing higher education, last week.

ligher education, last week.

In answer to a question from Dr.
Krith Hampson AP on whether the
Government was still committed to
raising fees or not, Mr. Oakes said
this was still being considered, those
ever, he hoped that a lumber
increase, apart from measures to
counter inflation, would not be
necessary.

Dr Hampson said this wrek:
"The Government seems to have backed away from raising fees to the rubbarrassing levels of orer

The Government should "come clean" on the way it was ralculating its figures. It was not clear whether the £14m would have to be sured from another orea of higher and further education, and unyway the figure was expressed in 1975 prices, he said.

A cautious walcome and control of the clean walcome and cautions walcome and control of the clean walcome.

A carlious ivelcome was given in Mr Oukr's stacement from boilies

United Kingdom Council on Over-sens Student Affairs, said: "This is a wricome sign of what is prehaps Gorenment rethinking on fers. It is what we have been pressing for: that any further increase should be in relation to inflation".

The UKCOSA's request for a meeting with Mr Dales on twitton fees for 1978-79 bal been granted, he said. The council wanted to be involved in the decision-making this year tasher than being told about it afterwards.

A spake-man for the Committee of Vice-Chancellors and Principals said it was pleased with Mr Oakes's response. It was in line with the CVCP's own comments to the University Grunts Committee that it would not support a real increase in fees for that year.

The CVCP was asked by Mrs Williams, Secretary of State for Edu-

The CVCP was asked by Mrs Williams, Secretary of State for Education and Science, to suggest other ways the film might be raised from further and higher education than from tuition fees, but it did not make specific propusals.

It said, Inswerer, that if the Government insisted on the sarings, arrangements should be framed with

A cautious welcome was given in Mr Oakrs's stacement from bodies roncerned with tuition fee increases. Mr Ruper Bristov, deputy exermive secretary of the maximum flexibility to allow determine the savings it could make with least larm to irself.

Industry urged to invest in recruiting as in capital

Employers in limitatry and com-airree should give os much attention to recruitment policies as they do to rapital investment, the 1975-76 amenal report of Leeds University rareers sorvice says.

Over the years, commercial and

Over the years, connected and industrial employers were likely to have a wealth of talent from which to choose, it says. Recruitment training and staff development were a form of investment and had a part to play in aiding economic odvance and promoting e more open society. Figures front Leeds seemed to indicate a swing of the pendulum from the public sector to industry and rommerce. That was probably not simply o recession, but a radicol chonge in the fields of twork in which amany graduates, in particular arts groduates, have traditionally been employed.

been employed.

The proportion of first degroe students from Leeds entering industry list year was 17 por cont compared with 14 per cent the year before, and entering commerce and finance 6 por cont, the same as the year hefore. The proportion entering the public service, however, other than education, dropped from 7 per cent in 1974-75 to 5 per cent in 1975-76.

The pumpers entering teacher.

In 1975-76.

The numbers entering teacher training continued to fall. One worrying sapert of those who did enter, however, was the more intended to teach history, geography and sociel studies than mathametics, physirs or chemistry. There was en imbalance also between the kinds of graduates entering industry and commerce. "Only 15 per cent of graduates in aris and eliked subjects went into these fields compored with 30 per cent of the scientists and applied scientists."

But, the report points out, nearly o nuarter of all first degree gradontes in science or applied science went on to postgraduate study or reseorch, and many of those would liner take jobs in industry.

Areas where there was a shortage of soliable applicants included ele-tronics, mechanical engineering, chemical engineering and fuel science. Physical and blological science genduars had difficulty finding jobs, but those toking the two subjects together hod less. There was strong demand for computa-tional scientists.

tional scientists.

The cuts in the public sector meant fewer trainceships in planning departments, and fewer posts for graduates in libraries wanting experience before laking a full-time course in librarianship. Sociol workers wanting practical experience bafore taking professional courses had almiter difficulty.

In commerce and finance, the greatest demand continued to be in clustered accountancy, "We estimate that the 16 majar firms of accountants who visited the coreers advisory centre at 1975/76 hed,

advisory centre du 1975/76 hed, between them, just over 2,000 vacancies for gruduates. Other account-oucy firms who did not visit us elso notified vacancies."

notified vacaarles."

The report noted the contrast between the Institute of Chorreced Accountants and accountancy firms, which had sought to explain their recruitment policy, and the Law Society. Careers advisers had found difficulty obtaining information on the changing regulations on solicitors training, it says.

Demand for articled clerkships did, however, exceed aupply, and careers services themselves hed to take the iniciative in collecting information on vacancies.

Labour appoints and economic cunsiderations both student organizer

The Labour Perty's first full-time Scottish university students grodu-

Prepare for end

The report goes on to describe who is called the tertlary college. The report goes on to describe who is called the tertlary college. Authorities such as Devon and Somerset have emalgamated technical and sixth form colleges to provide examples of institutions in specifically but not exclusively for the 16-19 group which run a wide range of courses from A level to Ordinary National Diplomes.

A note of caution on tertlary colleges was sounded last week by Dr. Rhodes Boyson MP, the Conservatives aducationist. He told a conference at Portsmouth that it would be wrong to rush heading lot another "progressive fashioo". The troditional sixth form was the effects. In the National Union of Students, The toditional sixth form was the effects. In the National Union of Educational Provision 16-19 by Judy. The toditional sixth form was the effects. He conference at Portsmouth that it the conference at Portsmouth that it would be wrong to rush heading lot another "progressive fashioo". The toditional sixth form was the effects, and the policy of NOLS, which supports the progressive fashioo". The todifional sixth form colleges to the interval of the century. The todifional sixth form colleges to the support House dils week, Mr. North, the University students grodus were charged at the Struckly were charged at the



The belief that scientific research could sulve the problems of industry but engineering was a second-cluss subject is an out of tlate illusion, Sir Hugh Ford, President of the fusituation of Mechanical Engineers,

said last week.

Speaking in Leicester at a Conservotiva Purty conference on edu-cation and industry, Sir Hugh said that society had been bamboozled by the image of science. "The truth of the matter is that the mumber of scientists needed by industry is minimal compored with the engineers who perform the day to day eervices essential to the muning of industriol society". Engineers learnt to respond to

e profit motive, an aspect and ilt inco the education of scientists. Industry had to nim at the achieve-ment of healthy, profitable indus-

renlize that what mattered was making industry work, "It muse get to grips with how their students can gether of education and industry a close the gap between knowing how unjor theme. One proposal would be to do something and sloing it. Any educational system that slocust recognize this essential point, that

making ideoe work is what is impor-tant, is an use at all? he said.

Sir Hugh said the expansion of the polyersities and polyrechnics in the 1960s was one of Britain's greatest tragedies. "It destroyed a whole words of editorior in the whole repect of education in the reclinical colleges which produced a range of people trained for industry from the skilled craftsman their work with part-time students

Literacy campaign

their first training

'gave 100,000

of very good people who could have provided for a whole pattern of enginetring needs at technician engineering, research and board level, have now been unterlin to un neatleurie career "

Mr Norman St infin-Stevas, appresition spokesman for Education and the Arts, told the cunference that industrialists should have greater influence an education pulicy. This could be sobieved through representation on the Schools Council and on schools' governing lodics.

Mr St John-Stevas suid the Schools Council needed extensive

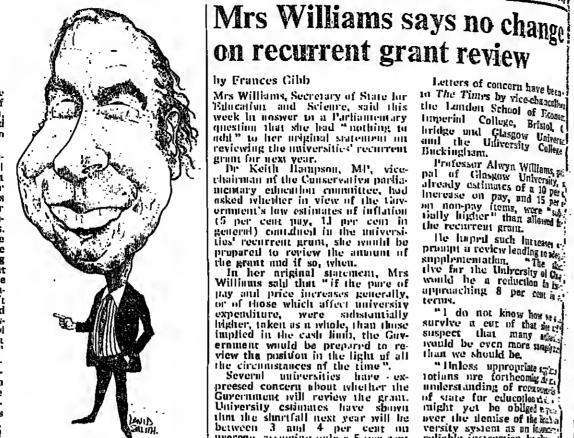
schools County needed extensive reform, "It must be n watch dog dust can bite but we don't want it reduced to an off-short of the National Union of Teachers. Education is too important to be left to the teachers' union. We need far more representatives of indusfar more representatives of indus-try on the Council and as school trial activity.

The higher education sector must

The next Conserrative government would make the bringing toto encourage feachers to work in in-dustry between leaving their colleges of education and going into schools. The Tories would also take a hard

Mr David Bethel, director of Loicester Polytechnic, his back at

through to the professional engi- on sandwith courses from industry. He said that slace 1969 the parttime condinent at Leicester had lucreased by 450 per cent and that



related to local industry. While maly 20 per cent of the students were home-based, 70 per cent of diplamates and graduates found employ ment in the tacen.

The polytechnic was beginning to look at a credit transfer system with a modular structure similar to the Open University

Garnett report brings earlier contact with disadvantaged

The Adult Literacy Campaign has enabled around 100,000 edult non-renders to receive some remedial tuition for the first time since leave ing school, Sir Micheel Swinti, the ling school, Sir Micheel Swinti, the lib Chalringo, writes in his introduction to a buoklet On the Move published by the corporation.

The booklet takes it it fram the award wioning TV series, and its author. David Hargrenves, the BBC ndult literacy project leader, has given a personal occupit of the project and the challenges which faced it.

Ona was the initial hostila reaction to the pilot material presented to 300 students. They found it offered too little real teaching and objected to their plight being deploted in comady sketches. Students are now eoger to accept TV and film interviews which they previously rejected.

However, the booklet finds it difficult to draw any real conclucions, for although the number now receiving tultion ie an enormous improvement on the 1973 figure of 5,000, two million still need help.

It is hoped that a research project under the management of tha National fusitute for Adult Education will provide a much fuller picture of whm has happaned

Onestionnairee covering 6,600 students have established that although less than one fifth of the men and about a quartor of the workships.

Apart from leorning what we workships with arithmetic.

On the Mova, tha BBC'e contribution to the Adult Literacy Campaign between 1972 and 1976, published by the BBC.

Apart from leorning what we described as "survival access skills."

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Apart from leorning what we described as "survival access skills."

Apart from leorning what we described as "survival access skills."

London's lecturers, and ragular weakand and amust two-week confidence.

The fLEA slso introduced a creen structure ollowing promotival true are on a "rolling" besis so that the course during the carly 1970s. Four advisory it the carly 1970s. Four advisory it the project to visit culleges, run u the project to visit culleges, run u described as "survival access skills."

In a learn plumbagion of the carly 1970s. Four advisory it the project to visit culleges, run u the project to visit culleges.

The flat A slso in the carly 1970s. Four advisory it the project to visit culleges.

The carly 1970s are severed course.

Instrumentation at PCL

5

The Polytechnic of Central London has started a third postgraduato day-release course in instrumentation. The new two-year MSc in biomedical instrumentation will shere a common first yeor with the existing courses in physical instrumentation and systems ongineering.

Durituc Computing

brought up to date

Plans to bring compatar service up to data at Dundee College of Technology have now been brought to fruition with the installation of Digital Equipment's DEC System

Mr Malcolm Kerrell

In an article on the Churches Television and Radio Ceotre (THES, June 17), the director of troining and administration, Mr Malcolm Kerrell, was described os a former clergymant, He is erill ordained and other professional practising, and other professional practising, and other professional practising, and other professional individuals are constituted in the control of the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory and the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory and the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory and the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory and the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory and the service accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory accord dents of the two institutions, Pin in a joint statement, the prest was nineaging directory accord dents of the service accord dents of the s

The Garnett lecturers spent the

'The Garnett lecturers spent the epring term discovering what was being donu for this type of student in innor Londau culleges. The 35-page report highlights a wide variety of courses available for the young unemployan.

Student teachers from Garnett Collega will spend a short time in their first term with unemployed school-leavers attending a job opportunities scheme run at the Putoey branch of South Thomes Collega nearby. They will then do their teaching practice in the spring of 1978.

teaching practica in the spring of 1978,
Some Garnett lecturers may aleo ba learning about the neede of such youngsters during the eutumn term, while thair opposite numbers from South Thomas College are preporing the student teachers in Garnett for tworking in communication tworkshops.

Dundee computing

A group of prospective further chucation fecturers will be meeting students a little earlier than expected maxt year. That is one result of a report by lecturers at Garnen Callege of Education, Rochampton, an Some development in the colorational provision for the 16 to 19.

The report underlines the need to prepare future lecturers to meet the requirements of learners labelled by the Department of Education for the little coloration services face runs by that Distuition for the prepare future lecturers to meet the requirements of learners labelled by the Department of Education for the figures are untexpected to rive to prepare future lecturers to meet the requirements of learners labelled by the Department of Education services face runs by that the property services are the respected to rive to prepare future lecturers to meet the requirements of learners labelled by the Department of Education services face runs by that the property services face runs by that the property services face runs by that years are underly and by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by that years are controlled by the Training Services Agency and list budget "is expected to rive or cation services face runs by the Training Services Agency and list budget "is every and the cover."

And of these rounselves are funded by the Training Services Agency and l

lelow 180,000 until ufter 1981.

It is an these young people that the Hulland report wants to spend more among since it sees the TSA's present courses as "erratically and run on a piecemed and temporary basis".

The funer London Education Authority hoe dayeloped the communication workshop idea to help that the Gamatt report describes as the youngsters with "Incomplete education, lacking hasic skills, unprepared for work and often with unrealistic and confused Job aspira-

unrealistic and confused job aspirations. Team teaching and smoll groups form its basis.

Staff-student ratios in some London colleges are double the accopted practice, according to the raport.

To meat these problems the ILEA instigated the Further and Higher Education Curriculum Devalopment Project in Communications Skills in

weakand and annual two-week conferences.

The fLEA slso introduced a career structura ollowing promoden up to saulor lecturer level in the needs of the first structura of the needs of the first structural fellowships.

Career advice for accountants

Plans to bring compatar services up to data at Dundee College of Technology have now been brought to fruition with the installation of Digital Equipment's DEC System-20.

As well as providing for teaching

relevant to the needs of a fall and the state of the industrial society. It is east of the left of the Schoultencher's will be able to work In industry for a term uoder u new Teacher Fellowship echemo launched by the Schools Liaison Strvice of the Institutes of machunical und alectrical engineers.

Mathematics and oro expected to get fellowsnips, but other fellowsnips, would me would me eligible too, and history history nent if greater neat if greater and the on industry and the impact it has had? English become more with the influence to had on our language inf modern common sidd. Julor statement said.

Local authorities will can
the sakeriee of die feller
this will receive an addition

Mrs Williams, Secretary of State lar Balacation and Science, said this week in nosver to a Parliamentary question that the Landen School of France question that the lander School of France. Imperial College, Brisio, (bridge und Glasgow University College Buckingham. Professor Alwan Williams at pal of Classow University, a already estimates of a 10 per on non-pay items, were say to ally higher "than allowed by the recurrent grant.

Letters of concorn have been

mentary education committee, had asked whether in view of the taroranient's low estimates of inflation (5 per cent pay, 1.1 per cent in general) contained in the universities' recurrent grum, she would be propared to review the amount of the grant and if so, when.

In her original statement, Mrs Williams sald that "if the pure of pay and price increases generally. the recurrent grain. He hapril such lattesse eprompt a review leading to Me. supplementation. The decive for the University of Chiwould be a reduction in its approaching 8 per cen in

or of those which affect university "I do not know how se expenditure, were substantially higher, taken as a whole, than those implied in the cash limb, the Gavernment would be prepared to review the position in the light of all the cash was a substantial to the light of all the cash was a substantial to the light of all the cash was a substantial to the cash wa survive a cut of that she co than we should be the circumstances of the time". Several universities have ex-

"Inless uppropriate (72)
totians are forthcomig decimalers anding of received preesed concern about whether the Gurernment will review the grant. University estimates have shown that the shortfall next year will be between 3 and 4 per cent an of state for educotload over the dentise of the kal. versity system as an longer reliable justruction, by their while research".

Universities urged to united global planning programms

Universities of the world should get ingether to prepare an educa-tional programme for the society of the funce, Professor Willis II. Tariffin, of Kentucky University cullege of education, told the third world congress of comparative edu-cation societies in Landon last

question that she had "nothing to acht" to her original statement on

reviewing the universities' recurrent

grant for next year. Dr Keith Hampson, MP, vice-

chairman of the Conservation parlia-

pay and price increases generally.

uveroge, assuming only a 5 per cent increase in estarjes.

The professor's insistence on planning for the world of the future there a profess from one member of the noticise, who warded that thinking in those terms, and a preopenpation with the new man and the new rooman. was a driving force behind the Nuzi phibisophy. However, Professor Griffin

thought it complacent to ignore the chauging realities of the world: "The complacenty in education is difficult in understand in the face of newspaper healthins which daily highlight world problems, the solutions to which are inconceivable without major changes in the priorities of untion states and in the educational institutions which are still largely attimed to a given

suclety.

"The way to make dimutsday prophecies self-fulfilling is to ignore tha obvious signs of perils that lie

nhead."

Calling for the teaching of new habits and propositions, he said:
"The stanch for a global equilibrium in ell spheres of human life must now begin in carnest. The clock numbering the minutes of Armagaddon ticks and There is still time, but not much."

He claimed that what had already boon accumplished in terms of inter-national education was fragmentary, unsustained and uncoordinated and called for mora cooperative plon-ning of "counterpart educational institutions", with the university as the "unit of involvement" and offering programmes of inter-putional -- oducation -- as . standard curion-~ as ' seniciolo

He acknowledged, howard the change would not be a clear understanding of parameters and strong support will be seen

change in orientation.

Professor Orifin walking numbersities inculved in pagradumes for citizenholds by way of pragrammes that interdisciplinary cultural i and perspectives on globs lems.
"These programmes is

should be sensitively design relation to those qualities with contribute in preferred lakes society." They would be to by similar of the behavior

should be sensitively decay relation to those qualificated contribute in preferred lower society." They would ket by stinliers of the beliansels would scientes, apportunity the deliberate use of the expansion of general to the expansion of primary sciences from the work in the expansion to the term style science's departments.

An ground of classroom research in the cultural general to the cultural general to the cultural general to the expansion of the cultural general to the cultural general to the expansion of the cultural general to t

d caught up with all the news from old eqlroups of actors. Enthuociated, learners and The enthusieste telk and assumptions late pick up the threade ist and rubber ages ries of questlone for changa little from Enthusiasts always even the most pedestriav

we must take a firmer choirlog uf seesious. The

Don's diary

Thursday

lam cambing outside a British Rail Jam Gaming for a line. The rain k jost starting to make itself felt. I forgot to bring my umbrella and I am sure the bus survice Is less regular than the pessimistic conference information sheet tells me it should be. Eight thus of cunferences ahead. Three meetings, one in its most difficult to dead with—we are should institution and teacher training institution out

two in a new university.

Conference one is educational research, number two ed tech and Conference one is characteristic to the control of the control of

eight papers and perhaps ove con really get down to same hard work. Late and desperote applications liste pushed the final figure up to 45—h is a bit like giving students low grades. I find it difficult to tell someone, particularly on the tell someone, particularly on the phone-we are full up. Anyway wo will take things as we find them.

the disense or the cure.

Evening and we all troop off to the conference dinner. This year medieval in flavon with a liberal helping of serving wenches and canned Elizabertian ansak. This dinner rates very high in a long line of such events. Usually we inflict on ourselves dreary speeches and pour maplification. Tonight we have neither—apart from a short plece of thetoric from a conference venerable delivered from on pap of a table.

Wednesday

disassociated asl, such perverse enucations. Are they making a point or clicking information? We had hoped to reduce the amount of direct questioning and to attempt theory building with related contributions that help to identify problem areas and fill in the gaps from our pooled wisdom. from our pooled wisdom.

The disussociated scent to make is most difficult to deal with—we ossume that there is a common that shared point of knowledge, our experiences and even theoretical bases are different but we can understand have to shift from simple edicch in a more specialized sub-set. It looks of it indigoing to have it lew problems with overlapping sessions. Even the power of "heavy technology" does not allow me to be in two places of the same time—ond listen to two different papers.

the main concern should be the farman. We decided, almay with Schumacker, that should be the farman. We decided, almay with Schumacker, that should be the farman. We decided, almay with Schumacker, that should be the should be Away from a teurher training college to a university for a direc-day ed teelt jamburee. Travelling out of London on the suburhan roil line I have olready switched from being an organizer tu being a portleipant. I am ulsu moving up in scole of conference from small (not intimote) to medium, 50 to 300 delegoes. I used to think 300 deleguee rapresented a large meeting until rapresented a large meeting until I was told by my transutlentic colleagues that ACET and AERA can hove up to 12,000 perticipants.

Thank God the conference fea and rantoteness of Britain stops us being invoked by so many cutterance. invoded by so many cunference buffs. I fail to see how so many people can have onything in com-

Of course we all go to couler-onces for different racsons. I on off to this one because I edit the association's journal, serve on its association's journal, serve on its publications committee and like meeting friends from oversens once a year. Inevitably they liring duty-free scotch or brandy and we share ideas and songs into into the alght. With 30x1 delegates, and up to four parcallel sessions, where about 80 papers will be rend, I do not suppose f can do mare than attend to handful of them.

Tho conference swings into its first full day al caltech popass. Since t first come to these meetings the faces and topics hove changed. Our focus this year is on the discentination of ideos. We are considering epidentic ntotels and telking of edtech being infectious. They also locg a rather obvious queetion as in whether edtech is the disease or the cure.

By may the third conference has begin. A rather movel idea—nover, lapping related conferences. Number three is based on computer-assisted (managed) learning. I have to shift from simple ediech in manage soudailsed subset it looks.

Formately 1 pick a reinner, a tour de force from the gurn of CAL. There are occasions when the content of a presentation can be jost in the dismonagement of the presentation. This morning there is e similar effect but with somewhat different cause. How can a presentation be too good? Is it that I am, now seven days line any more allou, desensitized to noor presentation and when the expected happens, it is unusual?

Last day of die mornilion. In die afternoon I can look forward to committee oteetings only making sure I remember to return any room key. Of ell possible conference sins the one most frowned on by the organizer is to not return one's e room key. In the meantime forewells and promises of references.

What sort of an autome can lexuect from my activity? It is hard not to feel under obligation to my principal, After all the university has lovested traval and nominal conference fees and forgone my active work for about 10 deys. The blee keeps returning es I catch my train up to London. Although teaching stopped two weeks ugo I am now supposed to be "charging my battories" and "keeping up with knowledge".

How fin do conferences fulfil my institution-centred goal? Doshbag from Waterloo to Euston is hardly

How far do conferences fulfil may institution-centred good? Doshing from Waterloo to Euston is hardly the time to reflect so deeply. I know that by Monthy maxt, my pigeon-hole will be bulging with the conditions assistances. mail, and second-term assignments.

My research suidents will expect
me to have read theses chapters, f



Lesson to be learned from down under



James Porter

Soun I depart for Austrolia to take up o Communweolth Fellowship. The purpose of the fellowship is to enable o British educationist to leorn about Australia and have some interchange with colleagues. Geographicolly, of course, Austrilla has conventionally been regorded as o place on the "other side of the world", and Ptolemy, the secondicantury Grack gaographer, showed it on his maps are large land mass couth of the fudian Ocean which he colled "tarra Incognito"—the unknown land. Now it is a rich and complex civilization of more thun 13 million people, an advenced society with a highly articulated and sophisticated educational system. Soun I deport for Austrolia to take

proposed massive exponsion of post-school eduestion and has now led to the setting up of some 84 colleges of allyeneed oducotion; the absorption of teachor education into advanced further education.

advanced further education.

Now the unemployment of the under-20 age group is running at there is the there is growing teacher unemployment and an ecrious mismatch between teacher supply and teacher demand.

Add to those sloularities the foct that last year public dabete centred on the relationship batween education and amployment, and it is almost an Antipodoan version of die "greet tlebate".

My research sudents will expect me to have reed theses chapters, flaws been trying to map-out a new indergraduate course in that evenings and I now have to check whicher our library has die buck numbers of the journols I need. Whither conferences ? No aloubt next year that enthusiasts and the dissociated will meat the learners end contributors. I will return, but will I ever have enough?

Ray McAleese

The nuther is a lecturer in education of Aberdeen University.

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The nuther is a lecturer in education of the whola devaloped the whola devaloped the whola devaloped the particular in the establishment of a measurad response. Last September the University of Sydney tha country can exchange a debate for aerion.

The nuther countries in the countries of the University of Sydney tha country can exchange a debate for aerion.

Whot then can be prevented the reols without surpriso that there is growing teacher demand.

Add to those slouisants be between teacher that least the foct that last year public dabete centred to the least the least that least the problems of the whola devaloped the public of the whola devaloped the public of the whola devaloped the public of the whola

chancellor of the University of Sydney) the country can exchange debate for action.

Whot then can e Pommle, reeling from our current crises, offer to collengues in advenced further education? The initial rasponee must be to try to recount as clearly as possible sha way in which some of in the United Kingdom. It will then be up to Australian colleagues to assess the extent to which our shared language and cartain enlugations. There is on urgant need to establish en independent committee will on broodly based mambership to include both sides of industry, as wall as the wall-known interesting the committee and replicate framework for post-school education in the 1950e.

In the past, specialized inquiries canon? The initial response must be to try to recount as clearly as possible and way in which some of the dilemmas have been confronted in the United Kingdom. It will then be up to Australian colleagues to assess the extent to which our shared language and cartain entural similarities survive the long haul on the 747. Genuion understanding only communication are atanding and communication are difficult enough to achieve whan one person is talking to another. The problem of trying to represent The problem of trying to represent the views and experiences of one country to another is even more

However, a number of assessments might be worth indicating from our own racent traumas. Already the Australians seem to have taken in a hold step of attempting a broad way. "of postible developments up to 2000". This should an

able its committee to give the kind of advice to the Australian govern-ment that should belt them to deal with such matter, as the roogani-antion of packer training within an overall higher education strategy rather than as a separate and limicather than as a separate and limi-

In so doing, it will be important to look at the total higher remeation system: universities as well as colleges of alvanced education and technical institutions. In riew of new eronomic and demographic importatives it onest be faced that an attempt merely to increase the

imperatives in ordst be faced that an attempt merely to preserve the existing total system may well end up in making many institutions completely disfunctional.

The terms of reference of the committee of inquiry luto Education and Training in Australia givo clear recognition in the importance of technical and further education, and it is neknowledged that there is now much deeper interest in the concepts of open education, as well as concern with the overall pattern of post-secondary education.

hroul sweep, it is to take such a hroul sweep, it is very obvious that the United Kingdom is missing the critically important ogreement shout the intul outline of the education system seen as a service whileherelates to oil significant educational experiences for those beyond selool. There is arowing recognition because experiences for those beyond school. There is growing recognition hero that the reintinuship between school and post-school education and employment is a vital one to explare. Thus, it is particularly encouroging to note that the Williams compilities is extending its review into secondary oducation wherever appropriate.

The only edventage amerging from our own determinedly pragmatic opproach is that institutious matic opproach is that institutious are being given tima and space to identify their own particular role, and vary different kinds of lustifutions in terms of size, range end intention are being permitted to develop. The danger of e major committee producing proposuls is that centrol government might lean to a prantonure definition of institutions which, at a period of ropid change, must be organically related to the society and to die particular region within which they are based. This is not an appoul furindecision, but a recognition of the main for variety.

Finolly, one has been very conscious in the groot debote "In this country that the manpower omploymont function has dominated old others. A complex educational system, however, should nover badoninoted by one particular need.

The Americalian Conference of

doninated by one particular need.

The Australian Conference of Principals of Colleges of Advanced Education argue that mempower forecasts chould obviously be used for plouding purposes, but that the 'loose fit" concept chould be employed as forceaste are notoriously difficult to make and it is also vital to enoble the non-quantificial aspects of tertiary aducation to be accommodated.

aspects of tertlary aduction to be accommodored.

The Australion decision to establish a broadly based committee of inquiry late education and training could well have as important lessan for this country. Since the Robhius committee, there have been a manber of untional inquiries and departmental committee into various espects of past-school education. A good deal of ilsta and expression of organized opinion is thus available.

However, all inquiries have been liaited in scope to such maiters as teacher training, adult education, a particular aspect of schooling articular aspect of schooling articu

In the past, specialized inquiries have usefully provided ovideuca for decisions which have been mode largely on the mandarin network. However, the developed world is moving towards a concern of con-However, the developed world is moving towerde a concept of continuing aducation and an ewerness of the Irrelevance of many of the old categories. Piecentaal inquirles, short-turm responses and administratively tidy decisions are on longer adequate.

Australia has often been influenced by developments in the United Kingdom. Perhaps, it is that that we learned a lesson from the united with the learned and the learned a lesson from the united with the learned and the learned an

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The state of the s

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The Army Carlo CLUS CHEEP PREPOSE

Mr Ivor Kenny, Director Gerteral of the Irish Management Institute, has been appointed research prafessor of political economy at the University of Dublin for two years. Mr Kenny will continue as Director General of the IMI, and will conduct a study of business and the political system in Ireland.

Pr T. H. D. Arle, consultant psychiatrist at Goodmayes Hospital, litered, has been appealmed to die foundation chair of health cure of the

Appointments

Universities

Head of management centre: Mr John M. Cheeshrough, Visiding professor: Dr A. Chitty (production engineering). Reader: Dr J. D. Ellis (modern languages). Senior lecturer: Mr C. M. Floud Page (academic staff development). Honorary visiting reader: Dr T. W. Cooke (chemistry and blobgled sciences). Lecturers: Mr D. 17. Action Reader: Dr. J. D. Ellis (modern languages). Senior lecturer: Mr. C. M. Florid Page (academic sinff development). Honorary visiting reader: Dr. T. W. Cooke (chemistry and blobogical sciences). Lecturers: Mr. D. E. Avison and Dr. P. J. Best (computer centre): Mr. R. T. Ballile, Mr. C. M. tilinore, Mr. J. Polnton, Mr. R. Espejo und Mr. B. S. Hansom (management centre): Dr. R. S. Barrott (construction and environmental health); Dr. M. Hunter (opplied psychology); Dr. R. L. E. Lee

elderly at the University of Nortingham from September 1, 1977.

In Terry Frost, at present reader in
fine art at Reading University, has
heet awarded the porsonal tille of professor of painting as a tribute to his
work and influence which have been
widely acknowledged.

Dr Michael J. Sewell, reader in
styling from April 1, 1978.

Sewell, reader in
styling from April 1, 1978.

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styling from April 1, 1978.

At Methonalis, chief scientific

leets awarded the porsonal fille of professor of painting as a tribute to his work and influence which have been widely acknowledged.

Dr Michael J. Sewell, reader in applied mathematics at Reading Illiversity, has been appointed to a personal professorable in mathematics. Dr J. S. Drr, top grade physicist to the west of Scotland Health Boards, has been oppointed to the chair of medical physics at the Royal Posting radiuste Medical School, London, from Dotober 1, 1977.

Dr J. R. Petitson, senior lecturer in virology at the London Hospital Medical School, has been appointed to the chair of medical school. has been appointed to the chair of medical school. has been appointed to the chair of medical school. has been appointed to the chair of medical nucreally of Stirling, has been appointed to the chair of the history sun phillogopy of religion at King's College Loudon, from January 1, 1978.

Mr W. B. Jepson bas been appointed to the chair of cuntillary of the chair of the history sun phillogopy in the chair of the history sun phillogopy and religion at King's College Loudon, from January 1, 1978.

Mr W. B. Jepson bas been appointed to the chair of the history sun phillogopy in the school of leading in the School of linduatrial and Basiness Studies at Warwick University of Stirling, has been appointed to an hintorary professor of the Conomics.

Professor N. J. Mockintosh, professor in the chair of the linduatrial phillogopy in the School of the University of Stirling, has been appointed to a chair of the chair of the history sun phillogopy in the school of the chair of the conomics.

Professor N. J. Mockintosh, professor in computer science of the conomics.

Professor II compu

Professor N. J. Mockintosh, professorial fellow of the University of Sussex, has been appointed to a chair of experimental psychology from September 1, 1977.

logy); Dr J. Tageart and Dr J. F. McKenna (combininty medicine); Miss M. Olley [behavioural acieuce]; Dr M. T. Kennedy (psychiatric problems (blological aclences); Ms M. C. Mackay and Mr J. D. Riley (safety and hygiene); Miss S. A. Liewellyn, Miss P. Mugglestone and Mr G. T. Owen (modern languages). Visiting lecturers: M. T. Kennedy (psychiatric problems of the young); Dr J. B. White (genseal practice); Dr E. S. Browne (dental enaesthelics); Mr J. Dowdall (economics); Mr R. J. Kirk (sccaunting science); Mr G. D. L. Smyth (atterbiholaryngology); Mr W. G. Wheeler (illurary and information (modern languages), Visiting tectures; Mr R. K. Clift (mainagement centre); Mr G. Junes (construction ami environmental health); Dr P. Stow, tinathematics); Mr C. R. Gny (mechanical engineering).

Dean: Professor Lesile W. Rodger (faculty of economic and social studies); Mr Harry Williams (faculty of cavirous actual studies). Senate Court membars: Mr A. Anderson (Librarian); Mr John Casey (husiness arganization); Professor A. R. Rogers

Forthcoming events

The University of Limital Dimon Bangladesh Society is organizated in the ULH Building, Mulet Street, to discuss the socie-erometer ond published aspects ut Bungladesh. Parther details from the tieneral Secretary, IILH Bangladesh Society, ULU Building, Mulet Street, Landon WCIE 711Y.

A course on Management Information

A course on Management Information Systems is to be held from July 11-22 st North Sinffordshire Palytechnic, as port of a series within the European Programme of the EEC Scientific and Technical Research Committee (CREST), spansored in the United Kingnion by the SRC. The course will review methodologies for the development of information systems in urganizations, with emphasis on magnical based approaches. Further details from Dr H. L. W. Jackson, head of department of Computer North Staffordshire Polytechnic, Computer Centre, Blackheuth Lane, Stafford,

(pharmaey); Dr Roger Burley (chemical and process engineoring); Professor S. D. Smith (physics); Professor Alan Thompson (economics); Professor Aribus Holton (civil engineering); Professor J. G. Buchanan (chemistry); Mr Rabert Milligan (physics). Promodions to scular lectorer: Dr Roger Burley (chemical and process engineering); Dr R. Hunton Davies (computer science); Dr Hulun Flammgan Ibrewing and hiological sciences); Dr Robin K. Mackenzie (building); Dr D. Gareth Owen (offshore engineering).

Secretary for accounting and admini-scrattee computing; Mr. P. Holeveli, Deputy socretary (accounting); Mr. A. G. Wart. Deputy secretary (man-ngement systems); Mr. A. F. Angus, Editor, Pictoria History of Wiltshire; Dr. D. A. Conwley (institute of 1988) Lomlon

Business Education and the Pro-

' Art and Architetture in Britis "u-International summer semiers an Iritis's a linternational summer semiers are ized by the Profussional and Acade Regional Visits Organization (PANO) in association with the Central less for Educational Visits and Exchangible be field from July 15-25 at less House, 53 Cromwell Road, Late SW7. The propressions as SW7. House, 53 Crouncell Road, Leki SW7. The programme arranged he sultathan with Professor St. Kita Prevaier and Sir Trenchard Carl Provide an opportunity to the first collections in London, Onled at Cambridge and some of the main firant buildings. The program in Includes lectures, evening seems and approved walks. Fee: The details from PARVO care this rul Bureau for Educational and Exchanges, 43 Dorser Street, by W111 JFN.

The onous conference of Wakad Resident Tutors in Polytechic libra Residence, will be held from logge at Thames Polytechnic, Fee Chi residents. All enquiries to be Kar Conference Secretary, Advises for Division, The Polytechnic, Questa Hundersfield HD1 3DH,

and Pauline Downs

Open University programmes July 9 to July 15

Belfast

Saturday July 9 10C 2.

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individual instruction by highly qualified tutors.

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Indicement Programmics for north Scotland and Wales Programmics for north Scotland 24,00° An introduction to psychology the lawfour Therapy (1920a) programmics investmental of the 190 challenge of 1912 page 1919 (1912) page 1919 (1912)

Wednesday July 13

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Deplacement Programmus for ascit Scietand Webs

stone's throw away from the accommodation which is still in use and inherital from Harris College. By August the first students' hall of residence, to house 160, will be completed at 8 cost of £395,000.

A hexagonal students' unless hallding costs.

Polytechnic Profile 27—Preston Will DES bashing damage our baby?

Pari-lime Higher Nathanal Certificate

ongineering and a part-time dogree in pro-

college is confident that the first year intake figure of 35 will be reached.

Dr. James Betts, dean of the school, says that the modular structure of the degree and the option in astronomy offered os a major subject make it on attractive choice for students. They will also have the chance to sandy environmental chemistry, including the problems of offluents and pollution, within the highly flexible programms. Presson Polytechnic, the baby of the 30 public sector higher education institutions brought into being by the 1966 White Paper, bas suffered a jurbulent childhooth. The last in be designated it rejects the charge that it is the rout of the litter despite having its progress seriously impeded by "no exceptional range of upusual difficulties", according to Dr Harry Law, the director.

In a wide-rauging dacument envering development between its designation in 1973 and 1976 Dr. Law saya: "Almost as saon nathe polyterbuic trus tlesignoted a government moratorium was imposed on public building and when the moratorium was liften our building programme trus only partially restored."

restored."

The effect, be maintains, has been to delay the development of the main Presson compass and force the explaintain of opportunities elsewhere. But the severe impact of the moratorium was made averse whom in 1974 two of the existing resoluting blocks had to be closed. part-time Higher Nslimini Certificate courses in physics and chemistry and a part-time degree in offered. "Stinlents cair rooch the top by the part-time routo", said Dr Betts. On the technology shie there are now full-time degree courses in electrical and mechanical ongineering and a part-time degree. torium was name worse whom on 1974 tivu or the existing teaching blocks had to be closed for more than a year become they had been rossericted with the suspect high-alumina

As Dr Law points out, throughout the three years of the polytechnic's life the country has been beset with increusing financial difficulties on a scale unprecodented in rocen liktory and these "hove affected adversely die creation of this now institution in many ways". There have been alolays in building up the acodemic programme because of the forced trunsfer of work into temporary sciences degree in the autumn the forced trunsfer of work into temporary sciences degree in the autumn the forced trunsfer of work into temporary sciences degree in the autumn the forced trunsfer of work into temporary sciences degree in the autumn the forced trunsfer of work into temporary sciences degree in the autumn the forced trunsfer of work into temporary sciences degree in the pression area up the acodemic prugramme because of the forced trunsfer of work into temporary accommodation, including office blocks in

the centro of Preston.

It seems now that the polytechnic'e lack has not changed. Lust woek it was told it is to lese oil its teacher training provision, which lost year, at torms of atudent numbers, consisted of nearly 50 per cent of his work. The decision is an undescrived blow, for the lastitution only merged with Charley mad Poulson le Pylio colleges of education in 1975 and is still fighting to find his feet.

Preston Polytechnic was originally based on

And is still flighting to fluid its feet.

Preston Polytechnic twis originally based on one single institution—Harris Cullege in Preston. Now through the callege of education mergors and the building programme delay it is the product of three institutions and operates on five main sites spruod ocross the whole of Luocushire.

Despite the fluorishire.

Despite the fluorical setbacks new and impressive buildings are going up shawly on the new campus in the centro of Preston, a stone's stane's stane's

A hexagonal students' union building, cost-ing £637,000, will be finished by November and in the autumn of 1978 the new librory, with shelving for 250,000 volumes and 750 reader places, will be complete. Now only a skaletoo on the new eantpus site, rising costs have pushed up its price to more than

The second of the second by the second of

and design, mointains that the courses in fina

subscribion.

Rolations between industry

the problems of offluents and pollution, within the highly flexible programms.

The school is moving towards offering o wide spectrum of courses at both degree and sub-degree level nn a full ond part-time busis. Or Betts suid: "On the science side ws are near to ochieving this olm. Ws now after the BSC enablied degree and Higher National Diploma in chemistry and physics."

The oris centre-a converied Church

the students can chaose one, ero finance I studies, labour studies, decision studies and i morketing studies. The degree sise operates on the busis of an initial five-town block before students start industrial trailing, on arrangement that holps them find placements. By 1978 Mr Hewitt hopes that a parttims degree in business studies will also be ancroting. ancroting.

were two observatories in the Preston area when the college was designsted and thosa were transferred in the control of the polytechnic. But naw, in a socond coup, a newly designed multiple opertura telescope is to be installed at one of the absentations. More than 250 similarts have applied to newly dosigned intimple operator to oscupions to be instelled at one of the observatories at Alsian Hall near Preston. It is one of the first of its kind in the world, highly powerful in the college's BA handers have applied to join the college's BA handers law degree this natural. It is, inclinains Mrs Par Thomas, head of the law division, e "conventional" course and competes for etudents in the instant market.

The first students from the BA degree in psychology will gradume this yeer and last yeer the school of aoclal studies also successfully feunched e BA honours programme in applied social studies,

first of its kind in the world, highly powerful, and expected to offract astronomara from Europe and beyond.

The telescope hos been designed by Dr J. F. Grunger, of the University of Munchester Institute of Science and Technology who has specifically osked for it to be set up at Aiston, a site portfealurly well suited for astronomical obsorvations.

Another velcome inherhonce from Harris College was the art and design provision. As ling upon as 1967 Horris had dropped its full-time lower-level vucational courses and was affering specialist designers' courses in fushion and grophies. The polytochnic now offers fam year similarle design on a three-year degree jungramme in fine srt. degree programme in fine srt.
Last year the total first-year enrolment

on the three degree courses was 74. Mr Thomas Metcalfe, dean of the school of art art and graphics ora consistently over-

school are exceptionally good. Students on the fashlun dogree course have found sond-

luto consideration Mr Esten and his leagues boliove.
At Chorloy Mr Luther Kenworthy, assistone director, said that there wauld be a lock of in-service provision in Lancashire if the twork

A proposal fur a BA humanities degroe A proposal fur a BA humanities degree is currently under consideration by the CNAA and, if successful, was to hove been the otacthing point of on integrated course package including a BEd. The canucil is expected to make it decision chain the humanities degree, submitted for the second time in April, before September but the Government ruling is likely to quest the BEd eubnission which was the to go to the council this month. An educational etudies component of the humanities degrees may also be in jeopordy.

component of the humanities degree may also be in jeopordy.

An illustration of the enliege's commitments to education is an organization hased on the Charley campus enlied S.T.E.L., (Science, Technology and Engineering Education in Lanceshire). Under the direction of Mr Dick Morgan, its coordinator, it acts of e link holly between schools, colleges, industry and the general public in the county.

s fully feunched e ISA honours programme in applied social studies.

The social studies dogree has proved immenately populor, n situation that may have been helped, ironically, by potential toachor triming students being "scared off" leaching, Mr Rny Angel, the enurse leader, maintain the Chorley campus eniled S.T.E.E.L. (Science, Technology mid Englineering Education in the Chorley campus eniled S.T.E.E.L. (Science, Technology mid Englineering Education in Laurcesian its coordinator, it octs on the first and segree.

Dr Msurice North, daon of the school of social studies, seld: "We are elso plouning a part time degree in negationlegy."

But while other oress of the polytoclusic of the future of teacher training. Morole on the future of teacher training. Morole of the future of teacher training. Morole surprisingly high both at the Poulton and Chorley campuses but with the black news that the collego is to lose its initial end, possibly, inservice provision, which has always been porticularly strong, the prospects for the future ere not bright.

Before the first announcement of proposed outs in teacher training to the polytoclusic and finital "teacher to the future ere not bright.

Before the first announcement of proposed outs in teacher training to the polytoclusic and teacher training to the future ere not bright.

Before the first announcement of proposed outs in teacher training to the polytoclusic and teacher training to the polytoclusic and the first announcement of proposed outs in teacher training to the polytoclusic and challeton and chorley. The Chorley College outs in teacher training to the polytoclusic and antimity and time the college for an arto centre, which is now widely used by students and challeton bright to the polytoclusic and challeton and chorley. The Chorley College outs in teacher training to the polytoclusic and antimities to the first announcement of proposed outs in teacher training to the polytoclusic and challeton bright to the polytoclusic and challeton and chorley. The Chorley

are finding a place in the traditional field of agriculture

How they're going to keep 'em, down on the farm

ments in world sgriculture.

Agricultural Research in the Dry while rice and whent varieties that Areas (ICARDA), an agency being established through the World Bank to serve the needs of the low rainful region stretching from North Africa through the Middle

In fact for the hest part of a year Dr Darling has already been coordinating moves to set up ICARDA from a special office within the thick, cool walls of Wyc, us well as ronaing the college. When he moves full-time to ICARDA, his headquarters will be lucated for from the transpillity of a Kentish village—in Beirnt, waruled capital of Lebauon. Dr Darling says that most people

raise their eychrons when they hear exacely where he is going. But they forget that he was born and bred in Northern Ireland.

From Belrut he will have to travel throughout the Middle East, as ICARDA will have unjur research exclusion. Their on the search stations of Tubriz on the high plateau of Iran, at Aleppo in Northern Syrio, and somewhere in Algeria or Tunisia, la addition to idiary programmes elsewhere in the region. His success will depend on

ersonal charm and powers of politl persuasion na much as his skill ns an agriculturalist, for ten-sions and jealousies are incyltable hen biternotional cooperation when internotional cooperation is fostered among nations as sensitive as those in ond around the Arab world. As he says, he will hove to act as a "father figure". Dr Darling thinks the most challenging part of a very exciting job will be the humon one; any new ferming systems that ICARDA comes up with must not only be

regional and rurol planning, marketing marketing systems that ICARDA comes up with must not only be agricultural technology, and the region present methods but they have to be acceptable to the 250 million inhabitants of the region. Innovations must also fit in with existing Middlo Eastern Irrigation methods. However, most farming in the area depends directly on the moagre winter roinfail rather than irrigation, and ICARDA will concentrate on sgriculture fed by seasonol rains. A major research goal will be to improve the region's traditional leganninous crops such as beens and lentils. New forms of pssture for grazing sheep in lint, dry elimotes will he investigated too.



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Dr Darling: The cellege has bene-fited from his integnational outlook.

In September Dr Harry Durling re-tires as principal of Wye College in Kent, London University's School of Agriculture and Horriculture, and, Croup for International Agricultural Agriculture and Horneuthre, and, or on the age of 63, takes on what nesserch (CGIAR), an offshout of the one of the toughest assignments in world sgriculture.

Howe set high standards: CGIAR He is to be the first director-gen-crni of the International Centre for have contributed so successfully to

the "green revolution" in Asia.

Dr Darling has long experience of overseas agriculture. In his student days in Northern Ireland lat Greeomount Agricultural Col-lege and Queen's University, Bellege and Queen's University, Belfatt) he was alosessed with the devefast) he was alterested with the deve-lopment of agriculture in the Furpire, and during the Second World War he went out to fight because in Arabba and fran. He stayed in in agricultural research in Uganda and the Sudan, where he became interested in teaching and joined the faculty of agricul-ture in Khartum University College. In 1954 he returned to Britain

to head the hop research department at Wye, but eight years later he was off again, this time to direct the Institute for Agricultural Rescarch at Ahmadu Bello Univer-sity, Nigeria. Dr Darling moved back to Wye in 1968 to take over from Mr Danstan Skilbeck as prin-

During the most nine years Wyo College has benefited greatly from other threes with man himself", Dr Darling's international author Dr Darling says.

and contacts, notably through the Research at the School of Rural

and contacts, notably through the establishment of a Centre for Foropean Agricultural Studies.

After an enthusinstic fund-raising drive led by Dr Darling, the rentre was opened in September 1975. It is housed in a magnificent madern building on one of the most attractive party of the college's 1,000-nere downland estate.

The centre's moin fields of in-

The centre's moin fields of interest are agricultural flumes, regionsl and rarol planning, marketing to and from the farm, comparation and interest are according and the

and andy groups, sometimes arrunged in partnership with European universities.

seem to hare been won over by its beneficial Influence on the college over the pms cample of years.

For many people at We dies to the contribution of the retiriog "Frin", as he is affectionately known, has been the big expansion of the college's environmental and social adopce side (the School of Rural Economics and Research of Rural Economics and Rural economics and Rural economics and Rural economics and Rural electes to accept that economics and human scleinces to eccept that economics, and the agricultural economics, started in 1970 and 1973 respectively, are than most interest and not 1973 respectively, are than most heavily oversubscribed in the college, end candidates are not usually oversubscribed in the college with A levelse worse than CCC (compared with DDD for agricultural economics, out of e total uoder graduote intake of 110, At some universities, conformation the notural environment, but that they really want into family and that it is not just in romanuic and environmental control. Progress is being made with new methods on bothing made with submitted submitted and environmental council and the control and the retirion of the retir



In a snitably rural setting, the front entrance of Wye College.

syllahus contains as much

Ecumonies is grouped into five main areas: ngrurinn development over-seas, enuntryside planning, marketing, farm business, and economies. Professor D. K. Brittim, professor of agricultural economies, and Professar G. P. Wibberley, who holds a joint chair in countryside plonning with University College, are well-

to get pre-entry farm work.
The problem urises from the

arrunged in partnership with European universities.

Tha centre also contoins a specialist library and European Documentotion Centre, which is officially supported by the European Commission and therefore receives sil documents relating to food and farming in the EEC.

In the eerly days, Dr Dorling's enthusiasm for the European Centre was thought by some of his colleaguea to be unisplaced—there were mutterings about "this euckoo in our nest"—but the doubters seem to have been won over by its beneficial influence on the college over the past cample of years.

The problem unises from the electrons in the amount of maskilled labour required by formers on mechanization continues, and the fact that the farmer haa to pay full agriculturol wages to someons who might be more of a liability than in helk.

However the college strongly encourages students to take a year off ofter leaving school, oven if they connot find a farm job, in order to broaden their horizons and, in Dr Dorling's words, "to be one that it is not just a romanic dream."

wye syllands contains as much social science as natural science. Grants Committee forced Cambridge, University in 1996, and other places with man bimself."

Dr Durling says.

Research at the School of Rural

Same years ago the University in 1996, and committee forced Cambridge, London University in 1996, and close down their undergraduate courses in general agriculture, and the only universities in the United bucklings had housed types and the only universities in the United bucklings had housed types and the only universities in the United bucklings had housed types and the only universities in the United bucklings had housed types and the only universities in the United bucklings had housed types and the only universities in the United bucklings had housed types and the only universities the only universities the only universities the control of the only universities the control of the only universities the only universities the control of the only universities the only of the only the only universities in the United Kingdom naw offering a BSc in ngriculture (rather than ugricultural sciences) are Aherdeen, Edinburgh, away in Canterbury, and there we grienture (rather mansciences) are Aherdeen, Edinburgn,
London, Newcastle, Nattingham,
Rending, Walea and Queen's, Belfast. No polytechnic teaches the
subject.

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chreer prospects in the agricultural Wyo insisted on retaining gos field are good enough to justify autonomy than Kent would go any expansion of the university. The college still keeps rother in sector of agricultural education. The eye on the university near by hig increase in applications has crented strong pressure to take mare students at Wye, but the tempta-tion has been resisted because thu jobs might not be there when they

"ther nim is to turn out men and women who will be the leaders in the ogricultural field,", Hr Harling says. They should have a better "sense of perspective" than those who emergo from the training sector of agricultural education—" the HND man facuses more on the

The range of research in the amicultural sciences at Wye is extremely wide. If the college's acadence stall of 11th, 65 are involved in both teaching and research and the rest are full-time researchers. Among the most nomble fields of invostigation is the study of state.

This is probably beneficid at the college of the college with the rest are full-time researchers. This is probably beneficid at the probably beneficid at the college with the college with the rest are full-time researchers.

culture.

Although the current research time.

Picture at Wye is bright, Dr Darling is extremely worried about the future, because "it is increasingly in the current research research in the current research resea obvious that official policy alms at the transfer of government-spot-sored research work from university foculties to officially or quest-officially controlled average of the charge of the charge of the controlled average of the charge of the controlled average of the charge of the controlled average of the charge of the c

the transfer of government-sponsored research work from university foculties to officially or quasi-officially controlled urganizations and lustitutions."

The Government is trying to shift research funds away from university agriculture departments because it can control the way they ore spents more closely in its own research stellons, he says. The directors of Agriculturel Research Council units ore "fighting like mad against the invasion of the ARC by civil servants."

Wye College la the farthest flung y and perhaps the must loyal—part of the London University empire.

There's tremendous emotional committee of the condensation in this manner to London although there are 60 miles between us." Dr During says.

Callege of North World will have much scops to cheek will have much scops to level lege.

"At the moment we have the unless the interest of section of the fittee on the books that I will have much scops will be say the like to see removed will have much scops will be say the fittee.

"At the moment we have will be say the fittee on the books that I will have much scops will be say the fittee on the books that I will have much scops

granumer school.3

On a personal level, relation much improved, though. Drie lug sits on Keut University &

and there is considerable and between sinff and student of However, isolation is ondobied a problem of Wye. Ruil farming the journey to Landon probibite expensive for many students of the students' union recently e-denuced the lack of contact so the rest of Loudon University

thus effect of the Isolation is

The mage of research in the anticultural sciences at Way is extrainely wile. If the college's acadensic stoff of 11h, 65 are involved
in both teaching and research and
the rest are full-time researchers.

Among the most nomble fields of
invostigation is the study of plant
growth substances and systemic
fundicides by a comprehensive
team of physical and organic
chemists, blochemists and bottonics;
teamed professor R. L. Wain, which
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is proving particulorly productive.

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The modern raced life, forming the
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The probably benefied in
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Genuine Marxist historian who has kept his head

For a New York Intellectual singled out by Richard Nixon for personal ansch not noce but three times, rofessor Engene Genovese sincis Professor Engene Genovese sures the Carter years unsurprisingly relaxed. Benign about the state of his dischiline, even, for a cunfirmed Marxist, relatively henign about the state of America, this diatinguished historian of Negro alayery has come out from the struggles and torments of the 1960s on top.

Professor Engene Genovese sures that the end of a year's teaching at Cambridge

at the end of a year's teaching at Cambridge

For all the mellowness through

It is a sign of quieter times that Professor Gennyeso is planning the first edition of a new jaurnal, Marxist Perspectives, to focus left-wing debute in the 1960s he was a noted polemicist against the heresies of the student revolutionaries, the Trotskyists und assorted New Left adventurers; liese days there is less anger. He recently condemned the shilly-shallying of American universities in admitting black studies; on Thingh his interests, within the history of the nate-hellum South, have brandened to the culture and religion of the slaves, and the transmiantic slave trade, Professor tiennesse insists on the insight of furtled by Marx, and his modern epigones especially the Itelian theocist Antonio Gramsel.

Throughout his modern Professor

revolutionary students. Professor Genovese again lifted his head from the detailed research that was to issue in 1973 in Roll, Jordan, Roll, David Walker talks to a comprehensive account of the culture of the slaves, to castigsts "funtasies of a revolutionary apocslypse of a revolutionary apocslypse of a grand denovement that features the overthrow of the American state by an invincible army of actil-head subachanites. " Few of our declared revolution

For all the mellowness, though, Professor Genovosa is a vital oxample of the undersourished species, the American Marxist schoories believe their own cant "I ha said during the struggles. "If they did bolieve it they would quit the camposes for full-time pollics! work (n course which Professor Genevers seriously considered in ar. He was attracted to the study of black slavery largely because it offered the only major class struggle in Amorican history. Though his interests, within the

work (n course which Professor Genovese seriously considered in his youth). But it is so much easter to prochilm, as one lay League professor did, that we should all support the Weathermen and still continue in teach, live and collect chapes from a privileged sanctuary known as tenure."

The feelings, he now says, most be understool as historically specific. Those were the days in which the nutinullectualism so prevalent in American life married with the nutinullectualism of the youth cult to produce momentary campus frenzy. A genuine Marxist—or a genuine historion—was bound to keen his beed. And nowadoys? Professor Geno-

vese soys the end of the Vietnam war—though not the end of the struggles for colonini liberation—hos produced e more relaxed armosphere in the United States. Some oversight of the nobitical devolopments in countries like Britain is permitted, During visiting lectores at various universities in Britain—often secompanied by his wife, Elizebeth Fox-Genoveso, en wito, Elizebeth Fox-Genoveso, en accomplished historiam herself—
Professor Genovese has spelt out a rather passinjecte message about our politics.

"You have a large group of Marxist scholors and intellectuals yet I have been struck with I

yet I have been struck

festing Genovese sometimes sounds the line sould do mora thon pass files sould do mora thon pass files and the Cambridge historian who while and the cambridge historian who will see the Cambridge historian who were the days of student integer of black history was are seen and the covert of black history was arenchant. When have to write about blung in large the seen of historians as Christopher will see the cambridge historians as the cambridge historian who wave on political words in for the large will am seed the control of history was arenchant. When have to write about blung in large the large was a will be will

Land History Same

Patricia Santinelli on the work of Leeds University's new director of audia-visual services

Rolling Moss gathers most stonethrowers

The study of clavics and ancient history is not usually associated with directors of nudio-visual services, therefore, in the case of Dr Robin Moss, the new director of Leeds University AV service, they have formed the fasis of his Oxford University education and later his Robin Moss, the new director of Leeds University AV service, they have formed the facis of his Oxford University education and later his doctorate at Birkheck College. His most fooding and the constitutions are the most fooding and the constitutions are the constitutions are the constitutions are the constitutions and the constitutions are the constitutions are the constitutions and the constitutions are the consti

mass communications.

His pasts have ranged from being massistant schoolmaster to television officer in Malta and fellow ford University. In 1973 he became deputy director (production) of Leeds Televisian Service.

deputy director (productive)
Leeds Televising Service.

Dr Moss also acts as turor on the anciont world in the Leeds School of History and both this and his previous background have helped his relationships with the ucalcule combiningly—not an easy proposition of the TV service.

"I see this realignment as a kind of accordance for the service and the work it has done". Dr Muss said, the work it has done". Dr Muss said, good orderstanding of their robleurs.

As a strong believer in the future of the audi-visual service, the new director hopes that it will become more than ever a part of the audi-visual service, the new director hopes that it will become more than ever a part of the audi-visual and participate.

Discussing the different opinions about AV services not only omining academic colleagues but fellow educational technologists, Dr Moss explained how he oud John Boggalcy of the centre of communication surplices at Liverpool University hod taken divergent paths. iden divergent paths.

"Join played a part reorganizing Liverpool's AV

vices into their present form.
His view is that they will shrink
rapidly unless they transform them
selves into media studies units.
This has become an increasing trend
in polyteclinics and universities,
especially where no AV centres had
been set un and could be seen rebeen set up, and coold he seen us a reaction to the "high activity contres" sot up in the mid-1960s, following the Brynmoor Jones re-

following the Brynmoor Jones report.

Leeds TV Servico was among those units and is not only held to be the biggest of dis kind but is jealously referred to as having received the major capital invoatment. It consists of two TV studioa, a film studio, e sound recording studio, graphics and editing facilities, stores, workshop and administrative areas. It has been described as a broadcasting system in miniature, mainly hecause of its cable system of distribution, set up before video became financially viable.

At that time the unit and its

At that time the unit and its At that time the unit and its director were given a missionary role to pross for clinuges in teaching methods. This attitude led to a hostile response among same members of the scsdemic community which has not totally disappeared.



sary. Any members of the univer-sity helped will turn out as missionin the sociology of education and mass communications.

His sity helped will turn not as massion, aries and spread the word "he said. "Normally papele who are conserved with teaching include an include and with teaching include an include and AV technique." interest in the use of AV techniques.

The realignment of the Leeds TV

control is part of a larger and mure confidence in the trainer and order is a larger and mure confidence in the trainer sity has confidence in the role that AV techniques play, the more so as it course at a time of economic out.

The new unit now incorporates the TV service, the existing photography unit, film production and the new medical audio-visual unit.

'Missionary role

of staff will be appointed, bringing the total in 39.

The decision to realign the services resulted from a study by a group of academics reviewing the work of the television service. When they came to make recommendations they took into account the new medical school which is to open this October and will be making extensive uso of audiovistal facilities. Its largest reaching area, the multidisciplinary laboratories, will, in order to cut down the cost of toaching be totally dependent on television.

This aervice will be provided by the now medical audio-visual unit which comprisos a colour television studio and preview room and will have the services.

which comprises a colour television studio and irreview room and will have 115 colour moultors—the litstallation of colour is boing mode at a cost of £150,000 but will have the double advantage of being avoilable to the university as a whole.

production and storage areas, a photographic studio and illin processing equipment. It will be capable of recording, relaying and dishing for selections. dubbing for scli-scess in the library end teaching oreas.

The main differences between the

nult now and when it was first sat up; was mainly technical, Dr Moss said. "It is now possible to record, edit and plsy back videotepes ln a study situation, making a big difference because it makes it more controlleble for academics and they can trolleble for academics and they can also advise their students to look up a videotape in the library just as they would a book."

Television was now far more in its proper place; that is, it cannot do miracles but can be used with imagination. In added.

An example is the work the unit is desire, in cooperation with the spirited of lilstory or an introductory course on the use of historical aris.

together with booklets. "The school has been very traditional end this is why it is particularly innovatory", Dr Moss said. "Students will profit end come to accept TV as e teaching; method.".

In the long term he bone is that

In the long term ha hoped that heeds of departments would be tolking to the service shout entire courses rather than individual parts of it. But he has not applied any

of it. But he has not applied any pressure.

"I have resisted going round to departments to find out whot their problems ere. It is too eosy to misrepresent yourself. It is much better to ask questions et stoff meetings."

One of the mein reasons why he believes that central services have an increasing future role in the university, is economic: "Deportments will have to face the fact that they have jundequata resources to cope with choic workloud and they will come to us."

Leader, page 14

Flexibility and atmosphere favour the tertiary college

It is now seren years since Exercition a county lurrough—took the unprecedented step of annalgamenting all its provision for post-compute Choppin suggest that snry education in one institution of in ther education. Exeter Cullege, by combining all post-16 courses, academic, technical and vocational, either full-time or part-time, under one roof, thus became the country's first tertiary college.

The latest edition of the IIMA's Compountion of Sixth Form and Testiary Colleges lists 12 such lustications already in operation, and mora at the planning stage. What considerations have led authorities to decide an this type of provision?

Thirty years ago, the distinction between the role of the schools were the role of the schools were there to provide education, particularly in neademic subjects, whereas the colleges were viewed as training lustications with a tlefinite vacational slout.

Such a sharp distinction would to the content of the content of the schools whether to introduce a compulsory break at the further content of the sentence of the schools were the colleges were viewed as training lustications with a tlefinite vacation of its educational provision for the 16-plus group is whether to introduce a compulsory break at the further content of the sentence of the sente

Such a sharp dispaction would to-day be quite unrealistle, as the further education colleges undertake a steodily increasing proportion of the tenching of acudende subjects for those of post-compulsory age. This means that the 16-year-old student who wishes to embark upon o GCE A level course, nimed at eventual entry to a university or polytechnic, frequently has a choice between continuing into the sixth form of the school attended, or of transfering to an FE cullege.

This duntication of calurational provision, though expensive, has cerchoice. For some the continuity provided by the 11 to 18 school with his long-term interest in the personal and intellectual develop-ment of the student, offers the best

Choppin suggest that post-16 education should operate as part of the further education sector

to introduce a compulsory break at 16 or not. The arguments for and against have been rehearsed at leagth. While many students hereof the continuity of make a fresh start at 16-plus, there are untlambtedly some who would gain from the continuity of guidance and counselling that an 11 to 18 school can provide.
Although advorages of segment

institutions for the 16 to 19 group cite the freedom from distractions younger pupils as a major advan-inge, traditionalists place great weight on the opportunities to de-velop leadership skills among sixth formers that the 11 to 18 school

To many, it may appear that the clash is merely between vested incasa is herely between verter interests—between sentiment and commics—but major educational issues are invulved. The chunge to a more money "collega" utmispliere, for exomple, provides a needed stimulus for many young papale.

ment of the student, offers it best suched, offers it best suched of the student, offers it best such form course. For others who fall to the secondary achool authorities, the opportunity to make a fresh surrung a different sud more adult on the condition of the secondary would be a more motion of the following the country of the set students would probably be lost to the education system permanently.

Our own research shows that where students hove had this choice of secondary over the constitution of them feel content with the environment in which they find themselve one for experiment in which they find themselve one in the first of the more which they find themselve one in the first offered state.

More people, havever, would question whether the 11 to 18 school, with its strong on decision, in which they find themselve offer the server of the content with the environment in which they find themselve one in the content of the server of the content of the server of the content of the server o

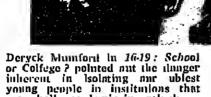
It seems that within the present range of sixth-form justitutions, those carering especially fur the H-plus offer a much water choice of subjects and more flexible timetabling. In general we teel that the educational arguments and economic considerations both favour the 16 to 19 college. The cuso for a break at 16 is very strong.

ff this is occented, there still remains o chulca of pottern between sixth-form colleges and tertiary colleges. Although the sixth-form college is able to make economics in the provision of A level classes. to provide students with improved facilities and wider choice of anb facilities and whiler enouge of ano-jects, and, in the absence of younger pupils, to accord them adult status and treatment, it is still limited in the range of educa-tional opportunities it is able to

Nearly nil the sixth-form colleges mre now "open necess" which means that they do not require applicants to have a minimum number of O level passes. However, the work of the colleges is dominated by A level, and though most offer O level and CSE examinations, only a minority of their stu-dents are following courses entirely

Berause they operate under school regulations, the sixth-form calleges are precladed from affering vacational courses such as those leading to Ordinary National Diplomas and examinations of the City and Guilds of Landon Institute. Pupils wishing to embark on courses prepar-ing them for specific occupational fields must usually enter o collego of further education.

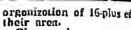
Nur is the sixth-form college uble



ure wholly academic in ontlook. The slath-form college might exacerbate the unique British prejudice against technology, commerce and vacutional college that the operation of sixth-form the tertiary college, however, by under schools rather that itself. The tertiary college, however, by praviding a wide range of technical and rocational courses alongsida GCE A level, could be a powerful instrument in breaking down this provided.

Other arguments in favour of sion of the comprehensive principle through to post-compulsory whea-tion, its greater degree of flexibility —particularly for transfer between ncademic and vacational courses— and its genuinely adult utmosphere. The tertlary callege is probably

more economic to operate than the than sixth-form college/FE collego pattern, but no quantitative evidence is yet available on this. It is probably safe to usume that the provised circular from the Department of Educational and Science on the in 14 educational patterns will make the formula patterns will make the formula patterns will make the formula patterns will be seen the formula institutions of the formula patterns will be seen the formula institutions of the formula patterns will be seen the pat



new institutions catering edici-for the 16-plus should be per ns part of the further elec-sector. This developments then lead to a situation to secundary education would at 16-plus, followed by a prist non-compulsory terriory coo-emiracing both academic sets enudoverent or entry into The NFER is an present the

npan a three year evolution ject entitled Alternative by Traditional Sixth Form by

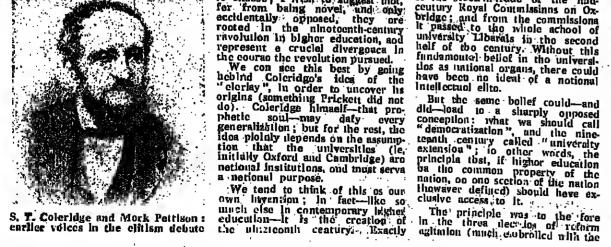


Deryck Mumfort in 16-19: School organization of 16-plus educate

climore, coupled with state of lutions brings no real shap.
There seems to be so reach

Alternatives for learning that go back to 1810





Fi

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,00m

With an agreeable irmy, successive issues of THES have presented two shorply contrasting vialons of huw higher education should develop in future. Professor Rolf Dahrendorf, io the issue of June 10, made a plea for a moss aystem, implicitly open and "democratic", sorving a variety of cliencles and social functions irrough a network of comprehensive universites. The following week, Dr Stephen Pricket called for a return to Colcide's ideal of o secular "clexisy", an intellectual aud moral elite charged with the residual and moral elite charged with the statements.

Why the assumption grose is not yet clear. All we can say is that it was an social that it was an social that it was an social that it was also the key argument of the reduction of the reduction in the opinint ment in the commitment in the commitment in the committee of the reduction of the reduction in the opinint ment in the commitment in

o secular "clerisy", an intellectual and moral elite chorged with the rask of intional leadership.

Here, indeed, ere fundamontal alternotives between which we have to choose; I wish to huggest that, fer from baing novel, and only bridge; and from the commissions of Oxorderships of the stock-in-trade of the mid-century Royal Commissions on Oxorderships of the commissions on Oxorderships of the commissions on Oxorderships of the commissions of the commissions on Oxorderships of the commissions on Oxorderships of the commissions on Oxorderships of the commissions of the commissi fer from baing novel, and only eccidentally opposed, they ore rooted in the ninotoenth-century ravolution in bighor education, and represent e crucial divergouse in the course the republicant of the course the resultion represent. century Royal Commissions on Ox-bridge; and from the commissiona it passed to the whole achool of university Liberals in the second helf of the century. Without this fundamental belief in the universirepresent e cruciel divergoaca in the courae the revolution pursued.

We con see this best by going theblad Coleridge's idea of the 'cleriay', in order to uncover he origins (something Prickett did not do). Coleridge himaelf—that prophetic coll—may dafy every tios as untional organs, there could have been no ideal of a notional intellectual elito. phetic soul—may dafy every generalization; but for the rest, the

Intellectual ellto.

But the seme bollef could—and did—load to a sharply apposed conception: what wa should call democratization, and the nine-tenth century called university extension; to other words, the principla tost, if higher education by the common property of the nation, on one section of the nation thowaver defined) should have exclusive access, to it. idoa ploinly depends on the assumption that the universities (le, initially Oxford and Cambridge) are netional institutions, and thust serva

tension:

"Lat the gates of the noiversity Oxford be freely open, and let all the world color. Let uil who rimose to be admissible to nor lectures, outlituraries, outsenots, and our votuntary examinations. But they shall not be compelled to seeh a degree, under peell of disgrace if they do not seek a degree which they do not seek a degree which they do not want, hor they would seek such education as they could pick up.

Do not these few sentences outline

if failows that their difference in last distributed in Its historical contributed in Do not these few sentences outline

o pattern of open, unstructured higher education such as today, over a century latur, few academics would dare in contemplate?

The conclusion is clear: the men singular for runtral of Merk Pattern versity.

ship at the department of

How can we teach a genuine desire to teach?

reorganización of reacher enhaction: less could mean better. Amongst wher things, the "great debate" has suggested that teacher-education might not be us close to the proc-tical realities of teaching as it

But what precisely is needed? The answer is simple and obvious. We need to produce teachers who really man to teach and who really can reach ? that is, teachers who are enthusiastic about teaching all children, including difficult child. ren, and who have the knowledge and especially the basic teaching skills to mable them to teach.

For insay inherited structural reasons, however, it is not going to he easy to produce the necessary changes in all the polytechnics, colleges, and universities involved in teacher education. Even-where there is the will, there may not be

the way.

First, how can we ensure that they really want to teach? In the past colleges of charation had to insist that students continited themselves to being teachers for life at the age of 17 with buile or no knowledge or experience of what being a teacher means. The reason was that they were monotechnic cudleges which could offer no obternative courses leading to other qualifications, to which students could transfer after entering the cullege.

One either become a teacher or

One either become a teacher or left with a feeling of faiture, hoving wasted one or two years of an unrepeatable grant. Many students who disrovered that they did not want to be teachers, and many afters who were not really committed to teaching, therefore completed their courses and become averlage. who discovered that they did many after the power structures of their courses, and many afters who were not really committed their courses and became tearliers because no alternatives were available without considerable financial sarrifice and extreme theremination. Two separate surveys put the proportion not committed in teaching.

Now, in diversified incatination, whether they be podytechnics, unversities or colleges of higher education, new tourses run he designed in which students can be allowed in delay their fund commitment or confirmation of their commitment in teaching for onte, two or three years after entering the institution.

A foundation year is action by:

A foundation year in which BFA courses where common units or another with influer courses leading and BA or BS, degrees and degrees and the courses and the colleges were assumed to the course of the course of the order "main "subjects can make the course of the order "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main "subjects can make the last two years of the enurse. The other "main subjects can make the last two years of the enurse. The other "main subjects can make the last two years of the enurse. The other "main subjects can make the last two years of the last two ye cult in devise. If, at the end of the first or serontly year, a student decides to take a DipHE or a BA or HSc instead of a BEd, he or she can, of course, still subsequently studies but department

Second, how dir we ensure that they can teach? For several reasons in the past two ducudes colleges of education have reduced their emphasis on professional training in practical teaching skills. The need to develop neodemic strength in the three-year certificate and later the BEd degree meant a greater emphasis on theoretical education. greater emphosis on theoretical edu-cation studies and on the so-called main or aculcinic subjects."

Their title is no accident. Not decides to take a DipHE or a BA or the street of these can, of course, still subsequently trainfast teacher.

The ensure that this delayed choice is an informed rholec, sufficient study and experience of school-teaching must be included in the first two years of the course. Therefore, to permit transfer hetween rourses, the equivalence of these modules to certain modules to the bipHE, BA and BSc courses must be exactly and BSc courses must be exactly and BSc courses must be exactly and experience of these to certain modules to the bipHE, BA and BSc courses must be exactly and an accident. Note there are no beard of a legacian or there was, of course, to obtain a the past, practical intends to teach.

Whereas in the past, practical teaching and contributed to the honours classification (or in a commendation in an ordinary dogree), they con now be given on appropriate share ut these murks.

Now, after reorganization, the structure of these must be presented acronding to the age-group the studies within a module in the studies and there was, of course, to ourselve the studient of course, to the age-group the studient intends to teach.

Whereas in the past, practical transfer intends to teach.

Whereas in the past, practical transfer intends to teach.

Whereas in the age-group the studient and the age-group the studient and the past, practical intends to teach.

Whereas in the age-group the studient and the age-group the studient

Now, after reorganization, the situation has changed. In diversified histinations the "only subjects" can contribute to other degree and dlplana courses, and no longer need to dominate teacher-education because they now have other vested

Where a faculty of education or Where o tachny of education or its equivalent cantrols tearher-education courses and the "main subjects "belong to other facultles rontrolling other courses, we can develop truly professional degree

colum studies and practical teach ing.

In fact, the development of practical teaching skills can now be made central to the new degrees and degrees with homons. Whereus in the past, Bld degrees have instuded an practical teaching in the final year, the climax of the new degree con lie in the symbosis of practical teaching, conviculant studies in the last two years of the enurse.

The other "main" subjects on

system, can easily be varied acroad-ing to the age-group the student intends to teach.

these marks.

The award of these marks is executial, since both common sense and some research suggest that must undergraduoles will devote the least effort to those subjects which do not contribute marks to the classification of a degree, fagically, also, if it is an important part of the course then it ought to receive its oppropriate shore of the morks. The difficulty of awardium marks. its oppuratione shore of the morks. The difficulty of awarding morks to practical teaching can be overcome by specifying a number of categories of rearrhing skills—planning, organizing, communication and evaluation skills—in each of which students must gain at leost satisfactory marks.

Students can be thereughly and

Students can be thoroughly and specifically troined in these skills, progressing through graduated stages of difficulty, by the use of a voriety of techniques incloding participant-observation infero-teechoog, simulation, films and video-

practice, as well as the traditional block practice of five or six treeks.

Pinally, the bad news. The strac-Finally, the bad news. The strac-tural left teles to achieving these two class are unfortentially formul-able, even in diversified institutions. We have to develop the kind of erganizational structure which gives the control of teacher-education to those what helieve in developing the control of teacher-education to those what believe in developing traly professional degree courses; and we must also develop the kind of flexible inter-faculty medular system which will promote the growth of courses which include delayed-cluice and transfer between courses based in different faculties.

The catch—which can remier the difficult idmost impossible—is the

The catch—which can renfer the difficult admost impossible—is that the activevenient of the first aim, which can be difficult, may lead to increased resistance to the second; and vire versn. For instonce, n naw faculty of education, being defensive, may resist the possibility of losing what its striff take to be their students, and of admitting that severally prefersion in the tworld for all their students.

Conversely an interference.

Conversely, an inter-faculty modular system may deliberately—though unoccess, ally—exclude professional modules from a foundation year or a DipHE to facilitate transfers between courses.

Only the deliberate cultivation by the whole polytechnir, university or cedege at higher education of a long and wide perspective on what is best for students and for the professionals of the future con produce both these fundamental changes at the same time. The most enat the same time. The most en-couraging sign is that a few insti-tutions have already achieved holi

wife's scrittom to her master

An alchemist skilled in dramatic transmutation

Guido Almausi on the Shakespearian adaptations of Charles Marowitz, the

what's the point of writing when intention of the other pass, a sverything has already been ever had one.

And there are no limits to And there are no limits to

sturies from the ones the classics

The story of Calvary, for instance, or the naval engagements of the funch flow in the seven-seenth commery were available to this Virgilian magniflage.

Controversial director of the Open Space Theatre

Our encestors knew it full well:
what's the point of writing when sverything has already been taken to the other paer, if he ever had one.

And there are no limits to the forhidden pleasures of this kind of forgery: one can take lines from Milton and concoct with them a purnographic poem; or, vice versa, take an eronic poem and use it to tell the story of Jesus Christ. One same ingredients.

Qu'on ne diso pas que je n'al vien dit de nouvean: la disposition des mattères est nouvelle." Wrote des mattères est nouvelle. Wrote place. Think of that valut tosk of it.

directions: the creation of provincial "university culleges" there
ronners of the civic universities uf
toolay); higher clucation for
women; university "extra-mural"
women; university "extra-mural"
women; university "extra-mural"
women, university "extra-mural"
women, and the fact remains that province
insulations of the general principlu
wes given by oo exponent from
tho more traditional Liberal school,
Mark Puttison—midthought the interest of the color of the col

preclated by the craft of verse-mokical contents in the had done it batter than any be generally and done it batter than any be generally and done it batter than any calculation in the had done it batter than any be generally and done it batter than any calculation in the had done it batter than any calculation in the best could hope to achieve. In the calculation in the like we want to say and smugging a like best with what we natively in is a fact with the like we want to say and smugging a like best with the cannot be like we want to say and smugging and the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Vincenzo Bellini; or to dispend the sanse of the ploy, or in La More de Venise by Alfred de Vigoy or I Copulette i Montaco of hy Alfred de Musace or Adelchi of hy Alexandro Mannoni.

Our century is hoppily perneluot.



Charles Morowitz, "wittlest of the modern centonisti",

Cbartes Morowitz, "whitlest of the modern centonisti".

Coacing the works of the past lonesco with Macbett, Testori with Alableto and Mocbetto, Dürrenmatt with König Johon and Titus Andronicus, Brecht and Gunther Grass (each in his own way) with Corfolanus, and in Britain Tom Stoppard and Edward Bond have all participated in the primal banquet where the body of the forter was slaughtered distinctioned and complete was slaughtered distinctioned and complete was slaughtered distinctioned and complete was slaughtered distinctioned and spirite by the glorious names—Other garden and of the modern centonisti".

This new Merchalt is a story, mirraculously extrapolated from the old Merchunt, concerning a plot by e subversive gang of Zidnists to extermibuta Veneto-Brit or Auglo-bagoonary soldiers and merchants. Shifting to a different metaphor, we could say that Marowitz does not murder the text, but forces it to coomil suicide. The other playwrights are subline vet blood devotred.

Charles Marowitz belongs to that group in so far as he operates contained and spirite by the glorious names—Other and an oggrassively and in an oggrassively and in an oggrassively their own deviant tastes.

Individually, while changing the sequence.

The other re-writers adopt the outline of the plot, the names of the characters, and at times the atmosphere of the original; but they take great liberiles in modifying the rest at will, and yield to their bana passions as rapists of texts, butchers of myths, vandars of poetical passages by using all the possible combinations of words which the Oxford Dictionary provide them with

of to satisfy their own deviant tastes.

Miscowitz's tastes are also deviant, but his philological prevoricorion is a butcher. Did you write thesa lines, Mr. Shakespeare? Well, try to repeat them and you'll see what happena." Marowitz's A Macheth spands to lonesco's Machett like the Grond Inquisitoe to Athia.

In the past Marowitz had a see what the condition of the serious of the great them and the condition of the condition of the condition of the condition of the great them.

the Grond Inquisitor to Attila.

In the pest Marotyltz had already stagod five metamorphic ceremoniatis he had traosferred Othello in a black power context and Macbetli in a Voodoo one; he had turned in a Voodoo one; he had turned Measure for Maasure topsy-turry so as to write a sort of Measure agoinst Measure (in my opinion his musterplece); he had transmogrified Hamlet into a young ley-about good for oothing except organizing The from Virgil (from and thus Homlet became Lorenzac between the five and thus Homlet became Lorenzac controlled in the state of the last controlled in the state of the last controlled in the state of the state o

Spouse.
With his Pariations on the Merchout of Peace which has just finished a short run at the Open Spare Theatre in London, Marowitz Spare The stre in London, Marowitz has made one more successful inroad into Shakespearian territory. Although the text is not yet printed, one gathers from merely distening to it flot the nuthor of the Variotions has used the flues from The Merchant of Venice olmost exclusively, with a few aildicate from The Jew of Malta.

Ver by an alchemic energies the

Yer by an alchemic operation the new Shakespearian text (puro genuine Shakespearian text (puro in hetween fifteenth contury Venice and 1946 Jerusalom, while the princely Purtla transmutes heraelf into a New York theires, has a fucial mossage from her black onaid Nerisso, and, stretched on en ort nouveau couch, singgishly utters the famous lines;" By my moth, Nerisso, my lifititie body is tohad of this GREAT blilg world i."

This new Merchont is a story mire.

The author is professor of comparative literature at the University of East Anglio "Grade inflation" has caused the coocera. A "B" grade in high school, the lowest level of eligibility for samiseion, is now considered to be the cquivalent of the "C" grade of 10 years ago and the university believes that more students starting studies are inadequately prepared for university wition.

Fears were increased when o recent study by the California Post-secondary Education Commission revealed that the clightility pool revealed that the eliginity poor for university entry had increased to 14.8 per cent of all graduating seniors. Under California's master plan for higher education, the university is supposed to select from among the top 12.5 per cent.

The university's academic senate last month announced a series of changes lo admission standards. Though these are modest, they give a clear indication to high schools of the preparation that will be needed in future if their students are to enter une of the university's

An extra year of English will be required for entry from annum 1980, making a tutal of four years of English, and the option of presenting entrance test scores in either outhematics or science will e deopped in farour of just mathe-

A third change is more omlinoue for high schools and more contraversial, although for the moment it will affect only a small percentage of entering students. The ocademic senote has estab-

lished a formula which combines high achool results with the scores from separate entrance tests. In 1978-79 students whose high school grado point averages foll hetwoen 3.0 and 3.1 will have their overages given six times the weight of their

The performance of the small number initially affected—currently

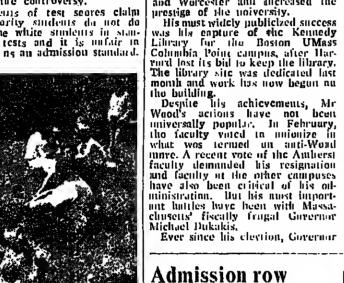
'grade inflation'

test ecores will encourage students now entering or in the early stages of high school to take entires to improve hasic skills necessary for study rather than courses in which gradeo are otore easily

schieved.

It is the formula's partial reliance on independent test scores as distinct from total reliance on high school results which is at the roor of the controversy.

Opponents of test scores claim that minority students do not do as well as white students in standardized tests and it is unfair in use them ny an admission standard.



President resigns over budget

Dukukis has complained that the university of the University of office, was spending the university of at has resigned after a morelic clush with the imposed drastic curs an every imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs an every building and was for imposed drastic curs and every building and was for impos The president of the University of Massachuseus has resigned after a long and acerbic clush with the governor of Massachuseus, and his actual has exacerbated the controversy over the role of higher education in the state. Mr Robert Wood, aged 54, president of the three-massachuseus 1970 has campus university since 1970, has been an om-poken—and successful —lefender of public education in a statu previously dominated by Covernor has seven appaintees on the board, and they have increas-ingly challenged Mr Wood's artions.

In his attempts to protect the university from hudgetary out backs, a statu previously dominated by private colleges.

Mr Wood taught of Massachusetts Institute of Technology and served under President Johnson as an educational advisor. Since becoming hesd of the University of Massachusetts, he has raised its budgets from \$59.3m to \$121m, expanded the rampuses in Baston, Ambress and Worcester and increased the Mr Wand last year produced a merger plan for the state college ond university system which was rejected. The flik would have put oil public higher education under one baard and chancellar, and some suspected that Mr Woul, who wanted to become the chancellor,

undercut the Governor's pover.
The failure of Mr Wand's reovganization bill and his hudget hardes with Gavernor Dukakis have been reinfarced by his growing disagreement with the UMass board of irustees. It was the prospect of a vate of no confidence from the bnard which prompted his resigna-

The president's resignation is that it will be difficult be notly the latest in a series of crises that have disrupted Massachusett's public higher education system. Like universities everywhere in sharing resources and once Like universities errowwhere the starting resources and ownse Massachusetts culleges are beset by fulling carathucuts, ansterity had act already ander way; foriance administrators complain of a lack of higher education planning. The governor's reply has been to increase state courted of higher to the first (Authors) College Use. Shire Callege) and the Ware conservant. These bash for courses, libraries and fatalty.

in the amount per capits and per \$1,000 of income spent on higher

It is not only public higher edscation that is suffering. Spokemes for the private institutions or plain that the public system has expanded in an ouplained addressed to the public system has expanded in an ouplained and distillations. wasteful way, duplicating pring programmes and competing which for students with tappe subsidized lop-cost tudion.

The private colleges would be to establish a Student Tuition Egs ization Programme (STEP) will mould provide grants to Many. setts students arrending priva leges. The grants would equipe quarters uf the cost of twing the college or half the man student in UMass Anner the ever is sotaller. Private education leadered

ble for some of the smaller colleges.

Host organizations will play a promisent part in seeking a cationalization. The manifeits and notices and county cannoids associations and the three largest trade union federations have each been given a place in the 12-man inquiry tenm. The other seven members include from MPs, representatives of the National Board of Education and National Board of Education and National Board of the Universities and Colleges and the Chairman, Dr Ola Nyquist, who is a former Liberal MP.

To speed up the commission's work so that its flaul report will be To speed up the commission's work so that its fluul report will be ready in 1979, the guvernment have insisted that the three federations, which between them represent night he smaller teacher unlons, thrash out their sectional problems outside the inquiry.

Mr. William of the commission hope to find more regular monas.

Mr Williström has told the commission to take in broad view of leaching duties. These should include research and development work, managerial and administrative functions in accordance to the large data. wers, manugerial and natural arrive functions, in-service training, giving study guidance and ornintalishing condistance and community con-lacts with employers as well as tra-distant activities like giving lec-tures and leading seminatures.

Inflation limits

private enterprise did eo. the report shows that it fluanced 82 per ceut fram their own iostiudests. Ooly 16 per cont foundatious or loter-organizations. or loter-

The possibility of doing research to partially insurant as many of the smaller higher education centre.

A major impairy into university and created in this manufactor of term do not have necessarily and may necessarily and have necessarily

3.7.77 STATES ALTER SUPPLEMENT 8.7.77

college staffing has been undered he the education minister, Mr Jan

The long recognized need for an

overhaul of stuffeng hes become

tergent with the implementation of

die extensive U68 reforms carlier

By creating a unitary post-secon-

dary structure, the reforms have

status and working hours, though

often of ou more thou historical

sign firance, have been jeniuusly

guarded by trade unious and thuse

local colocation authorities respon-

Unk Wikström: One of its main tasks will be to fairl ways of increasis a publicy between teaching and

accessitated widespread amplgama-The development of such tirs between higher rulinn and working life is seen as the logical follow-up to the rocotinualization of andergradume education curried nat in the U68 reforms. tions between higher institutions; in some cities bringing together as many as 2h categories of teather, represented by a variety of traile In the past, differences in during

To overcome this, there should be greater addility of staff both be-tyeen institutions within each centre and hetween centres. There should also be greater flexibility between faculties and departments within the same college of university.

ntracting more outside expens into higher education and encouraging academics to spend periods of indu-try, business or the public services.

These have seen lucal employers and trade notions get a large say in administration and coarse planning, the change of admission rules to favour moture students with work experience or requisite for experience and the division of undergraduate studies into five vocational sectors, THES, May 13.)

wars of making work experience of miside school of prerequisite in tealoing. This could eithor mean making experience or requisite for experience or requisite for getting a teaching at teaching an investive teaches to apply

dergraduate studies into five vocational sectors. [THES, Mny 13.]

The refurms have also storpened erificism against university teachers for two aften being out af tooch with proctient developments in their subject fields, so that they find it hard to adjust to the lessure would be to offer teachers half ing needs of moture students.

In his guildelines to the commission of the pay, and job security.

Another difficulty is finding and

In his guidelines to the commission. Mr Wikström, a Liberol lu the nine-month-old centre-right conflition, said: "Job mubility is eo important, both for the educational system and working life, that achieving it justifies taking for-reoching measures." Another difficulty is finding suf-ficient joh openings. However, recent joh protection laws hove, refler ironically, discouraged many ouployers from taking on new per-muneut employees to fill ohort-term vacancies and the merket for tem-porary staff without protection rights hos grown considerably.

Nou-ucademic work experience onlong teachers le even less con-

Stronger work ties urged

Mı Wikström: for-reaching

July qualifications ore also to

and have permanent research organi-

However, the coarmission's biggest jub will be to examine ways, of attracting more outside experts into bights of the coarmission was a second to be seen to be seen

Nevertheless, the commission accepts that only a small percentage of teachers are going to be ented for outside work which to relevant to what they teach. For these, wark experience would sharpen their skills, for the rest it would "pur them to touch with normal life". more regular monas.

inon, although a recent commission in the chicarlon of journalists recommended a paid feave of absence far lecturers, so that thoy could brush up their professional know-how.

Also, the current connoission in teacher traduing is lunking into not, attrough a recent commission on the character of journalists recommended a paid louve of absence for lecturers, so that they could brosh up their professional

Adult growth 'sporadic and uncoordinated?

The area arrention should be paid by no conflicted to bring adult adult canon into the with ective manuparent policies, the DECD concludes in a training of learning and development. Failure to identify particular major policies, the DECD concludes in a training term of learning and the paid to be a failure to identify particular major to be a failured to be a f

paretr policies, the DECD canchales in a firem report of learning approximate for adults.

The study, the first of a four whome series of case stedies in development in adult education in mention states, says there is little room for optimism.

The study the first of a four whome series of case stedies in deal content of come from privilegel hackgrounds. Consequently, those in greatest need are precisely those least likely to take part in this service, it says.

By the early 1970s around 14 per tent of the libeat force in Canada, 12 per cent in the United Kingdom, ther cent in France and 7 per cent in Germany followed rurious forms, of adult instruction. However, despite this development there has been little attempt to relate the various expects of adult education to each other. Growth has been sporadic sad uncoordinated, with scant attention paid to linking the activities of the various semi-independent according in the field. pendent agencles in the field into a single body.

Examining the similaristrative Exponing the saministrative arrangements and firancial provision for adult education, the OECD remarks that there are few countries that have worked out on explicit policy. "In spine of considerable growth in the past few years", it says, "adult educution is oot given the resources of a froot-rapk pubble service and its provision tends to service and its provision tends to be fragmentary, underfinanced and understaffed."

Turning to the relationship between adult oducation and current conomic sud social needs, the report underlines the opparent reluctance to integrate adult education within the brosder ospecto of the cupacity of adult education to public policy.

The critical conclusion to

"The critical tonclusion to be drawn from an analysis of the actio-e-memic characteristics of participants in adult education," the anthors say, "is that, despite to democratize post-compulsory education, the educational level of o large segment of the adult population continues to be low."

As for the future, the report sets out a mucher of pulicy optimal available to planners. Adult education should attach special emphasis on seeking out "larget groups" and designing programmes to meet

and designing programmes to meet their needs. Among the most happing, it suggests, one the urban pnor, those in send and unskilled occupations, the unemployed and migrant workers.

A long-torm goal should be on integrated sector of post-school education, covering academic and occupational training and bosed on a model of recurrent education.

Cuts will hit jobs heavily from Guy Neove

PARIS The pussible reductions in the 1978

The pussible reductions in the 1978 scientific recearch budget could ite little short of catastrophic, according to M Jacques Sourdillu, Secretary of State for Sciontific Research. Compared with this yoar, copitol investment in equipment and buildings could thup by 15 per cent. But spenking at the Notional Assambly, M Sourdille said he hoped that recurrent expenditure would escape the finaucini mossacre.

The newly appointed Secretory of State pointed out that the finol details for next year's budget had yet to be worked out. He haped that promises to be e draconian budget. Evan so, it is obvious that the restrictions will his researchers particularly heavily. The mother of new appointments will certainly he

in the Rangoon and Mandolny Arts

and

Science Universities will also

be taught; but their syllabus will be

treation to receive the syllabus will be

treation to the syllabus will be

so that requirements.

Political science will be a compatible stand institutes would swell from private indicates.

Political science will be a compatible stand to the syllabus will be so the syllabus will be syllabus will be so the syllabus will b In an attempr to reverse this

Book duties put strain on

from Murtin Peinstein

Academics, State and unircrsity libraries have appealed unsuccessfull yto the Government to repeal the 15 per cent customs aurchorge on imported books and periodicals. The aurcharge provoked na immediate autery from libraries and the bnok trade in Sould Africa whoa it was introduced into Parlloment three months ago. Only public provincial iibraries are exemption the succharge, which threatens from the surcharge, which threateus to seriously uffect the purchosing power of the country's major libraries. Overseae books and periodicals account for an average of 90 per cent of nil library pur-

Evan so, it is obvious that the restrictions will his researchers particularly heavily. The amorber of new appointments will certainly he cut down. In 1977, for example, 9511 new permanent research posts were set up, with an additional 900 untenured researchers. The figures for 1978 show a entiback of obout 200 appointments in each group. Though certain cuts are to be expected, the situation is more serious below a function of the University of Cape Town's J. W. Jagger Library, Mre I. J. Laurenson, exploited that the surcharga and already put libraries under increased strain os etudents were buying fewer books while making increased use of the library. Mrs Laurenson, who predicted further problems for libraries forced to buy fewer books while being expected to provide su expending expected to provide su expending product spent on scientific research in middle that the surcharga and increased use of the libraries to develope the content of the University of Cape Town's J. W. Jagger Library, Mre I. J. Laurenson, exploited that the surcharga and increased use of the libraries to develope the provide surcharga and increased use of the libraries to develope the provide surcharga and increased use of the libraries of the university of Cape Town's J. W. Jagger Library, Mre I. J. Laurenson, exploited that the surcharga and increased use of the libraries to develope the provide surcharga and increased use of the libraries to develope the provide surcharga and provide surcharga and

Graduates on track to business riches

Despite America's economic difficultloe, a survey of this year's 35,000 business school graduetes shows that 1977 was the best recruiting ecceon in recent hictory.

Placement directors at business schaole are antimistic that moet graduatee will find "faot-track" s-those that enable the young business graduete to rise quickly

This year'o MBA (Master lit Business Administration) recipients particularly want three kinds of posttions. The first is management consulting, the most conglication of the most conglication of the most conglication of the license, and to prohibit publication of the results. Such restrictions, according to the academy, entire chass at Stanfard taok jobs would: "cripple future matine scientific research"

Draft sea law poses threat to research

from Thomas Cahill

The National Academy of Sciences has sent a letter of protest to Elliot L. Richardson, who heads the United States delegation to the Law

of the Sea conforence, now under-way at the United Natione.
The 14-page document asks that the tentative draft for the inter-national law of the sea be revised to allow for more freedom of research.

According to the current draft, coastal nations will be able to deny foreign rescorch According to teams access to their expanded territorial waters for virtually

with coasulting firms.

The secand most popular field is investment banking, and at Harvard investment banking is almost as popular as consulting. The third most popular job is assistant to a corporate executive.

While PhDe may be driving taxis or pumping petrol. MBAs not anly find jobs but receive excellant spiries, the survey allowed. In many cases they have risen 12 per cent over last year, a faster rate than inflation.

Those graduating from: Harvard

with coasulting firms.

The secand most popular field is countries could impede research.

That letter gives example of how countries could impede research is independent on two years before its disclosure.

Chromosome library

Tho University of Oregon in Portland in the survey allowed. In many result from the new restrictions, such as the current studies of the timing and rain content of the moneoon that have a major longer on India's agricultural economy.

while find jubs but receive excellent salaries, the survey showed. In many cases they have risen 12 per cent over last year, a faster rate than inflation.

Those graduating from Harvard will earn an average of \$22,000, with the sequence consumers consultante receiving the highest salaries. Some British graduates of Harvard Business School have been offered starting salaries of \$35,000 by American firms.

The academy siso offere examples of potential disastere that may clences centre. Its main purpose to still be to onderstand—and eventually prevent—obromosomal sbnormalidos.

The library at its heelth sciences centre. Its main purpose timility and eventually prevent—obromosomal sbnormalidos.

Coroell has one of the most consultant end eventually prevent—obromosomal sbnormalidos.

The library, to be called the Intervent will be a conderstand—and eventually prevent—obromosomal sbnormalidos.

The library at its heelth sciences centre. Its main purpose timility and eventually prevent—obromosomal sbnormalidos.

Coroell has one of the most consultant extensive networks of ulumnity of the casts not only of the coasts not only of the coasts not only of the highest saleries. Some British and Pokistan, any one of which might block the new 200-nile limit.

The academy siso offere examples of the may called the intervent of the most constant of the most constant of the coasts of the most consultant exception, and require the constant of the most constant of the most constant of the most constant end of the mo

California : students not prepared

has been put un prulintium because of an acudemic stundards dispute in a caso that has infilmed racial problems. Dr. Hampheries has been given nine months in suite the case in the predominantly black univer-sity in Nushville. Dr Humphries has licen president

inflames

race problems

sinco 1975 und the state bourd of regents has clubmed that since he nok office academic standards have been seriously relaxed. A folleral judge hus now ordered the merger of Tonnesseo State University with the predominantly white University of Tounessee. Some black lenders have charged that the move ngainst Dr. Humphrius was an altempt to undermine black lendership in onticipation of the

A routino Vctorane Adultistro-tion audit of Tonnessco State University earlier this year revoled that mony etudents receiving GI Bill money were ineligible because of their low grades. At least 900 students had fakien below the minimum standard required by the State

univerelty system. However, instead of expelling the students, who ropresent about 20 per cent of enrolments, the university had kept them on. It then locluded them in its enrolment figureo on which its 1977-78 budget request for state funds was based. This increased the budget by about \$900,000.

In May \$475,000 of the univer-sity's budger was impounded by the Tennossoe legislature because of onrolment padding and 910 slu-deots were suspended. Dr Hum-phriae blamed the problem on a faulty computer, but conceded that

Old boy network vital for nationwide recruitment

The president of Tennessee State University, De Frederic Humphries, WASHINGTON

One motable difference between British and American universities is the role played by abund. In British even the word sounds strange; praductes of universities and inform applicants; he are call thought abund and office of sounds. do not call themselves alumni, and ufter getting their degree usually have little to do with their university, apurt from accasional remions and donations.

In the Hufted States, alumni play a rind rule in university affairs for the rest of their lives. Organized hun geographic chapters, they raise minney, encourage support, publi-cize their alma mater at schools and clubs and even interview and recruit potential students.

Almost every university has an office of alumni affairs which keeps to touch with its olumni

At lowe Stole United States and specified in the selection of opplicants. In the past 10 years the number of committees have grown from about nlocty to more than 225, lovolving more than 2,700 alumni. The Coroell clubs have helped by glving banquets fur applicants and sponsoring scholarships.

Coroell has one of the most extensive networks of ulumni organizations of any American university. Each year local cummit forms and participations.

At lowe Stole Universities and spice accounted for 23 per cent a summer vacation cometation in the summer vacation cometation in the summer vacation cometation in the summer vacation cometation. It is summer vacation cometation in the summer vacation cometation. It is summer vacation cometation in the summer vacation cometation in the summer vacation cometation in the summer vacation cometation. It is summer vacation cometation in the summer vacation cometation. It is summer vacation cometation in the summer

office.
The university now

applications from about 1326 ferent secondary schools has custom in interviewing past but the custom is interviewing past but the custom in the custom is interviewing past but the custom in the custom is interviewing past but the custom in kept up to date through and ters und special briefings of courses and developments. to increase the participation of the utility of the participation of the participation of the country body with the participation of th

Almost every university has an office of infairs which it is oluminal organizations, sending them require the interest of whotever projects the university has a particular tor whotever projects the university and in the second year sudemis will be considered to the construction of the construction of the construction of the year of the second year sudemis will be considered to second year sudemis will be considered to second year sudemis will be given years and year of the second year sudemis will be given years and year of the year of years and year of years and year of years and years and year of years and years

Higher entries set to double as college network opens

A STATE OF THE STA

South Africa

library funds

The chief libraring of the Univer-

Fin Ç

HIGHER EDUCATION SUPPLEMENT New Printing House Square, London WC1X 8EZ. Telephone 01-837 1234

The last area of expansion

see in our lifetime". The Government's great debate put the focus on the transition from school to work; the Manpower Services Comfirm evidence that the educational of the chances are that the point of environment for A-level students of the chances are that the point of environment for A-level students of the chances are that the point of environment of the chances are that the point of the chances are the point of the p ing and palitatives against youth unemployment; now the Government
and local amborities are girding up
to reorganize the upper forms of
secondary schools. The publication
this week of a review of the debate
about the first stages of post-compulsory education by the National
Foundation for Educational Research is timely not least because it
search is timely not least because it
welcome.

a further education college is better
than at school. What is certain, however, is that he recent years many
lie-year-olds with a local choice have
of at will want to keep well out of
it, feeling that nothing can be done
with people who so flagrantly use
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than at school. What is certain, howof at will want to keep well out of
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words entirely as it suits their conrelation that he and you have putwhen at school. What is certain, howof at will want to keep well out of
it, feeling that nothing can be done
with people who so flagrantly use
words entirely use
words entirely us that the intention?

I un find his letter broader.

I un find his letter broader. scusses the educational grounds for tertiary colleges unther starting acentively with the fact that many sixth forms will soon be too small to sustain a sufficient variety of A-level courses with acceptable staff-pupil rutios.

Several points made in the NFER report can be underscored. The first

A chief education afficer recently form, national solutions-such as called provision for the 16-19 nge group "the last area of expunsion the English educational system will "all-through" schools—lead to the present state of knowledge he dis-

As the report shows thece is little

Several points made in the NFER report can be underscored. The first is to emphasize the role of lucal authorities in coming to arrangements of sixth furms, sixth form colleges, further calculation rolleges, forther calculation rolleges and territary colleges that fit the population and geographical contraints of the area. Commentators and officials have raised the cry that population and geographical constraints of the area. Commentators and officials have raised the cry that further education has become a "dog's breakfast". However uni- "dog's breakfast". However uni- leges—and a challenge.

Sloppiness and propagace combine to the same effect in Mr Woolfson's letter (THES, July 1). It is and advanced further education education constraints and propagace of Mr Wallenge.

Enter left, realistic president

Miss Sue Slipman, who took over as president of the National Union of Students last week, leads u union which has come of age. The NUS has abandoned the accepts for the negotiating table. Its executive as and eloqueotty argued. It is no longer pursuing hopeless ideals but is concentrating hard on producing practical policies.

Miss Slipman's membership of the Communist Party is multicely in the communist party in the care of the challenged movement, can expect that the challenged movement, can expect the multical communist in the function in challenged movement, can expect the multicely in the care in the tour and in the communist in the challenged movement and the communist in the challenged movement and the communist in the challenged movement and the communist in the function in the function in the function in the care in the care in the care

the Communist Party Is unlikely to change eny of this. Site has gained her reputation purily through her officiency as national secretary and organization is now o key part of the president's joh. The union's wide-ranging activities and its many lisisons with other bodies have mode some sorr of burenucaey inevitable whether the ultra-left like it or not

The moin threat to NUS in the The moin threat to NUS in the next two years comes and from extremists or wild policies but from its finoncial problems. The union has just staggered through the crisis which followed the collapse of the travel company and now faces the travel from the student revolts of the late 1960s and not seeing it as "stemming from" the "admost bystericost around £220,000 which has been coised by a bank loan. The union's Sir.—The several English educa-

Lessons learned from aids

of Broadcasting led to the that AV had comehovy falled. affectiveness is vital but can determined unless we know quality of education hes call for bettar nr warse. This is a where there is no ultimate in fevour, of sudio-visual adds increasing tree at all levels of increasing tree at all levels of worth pausing and recording.

worth pausing and recording worth national management; and that AV had commented unless we know quality of education hes call in the management; and increasing tree and house and increasing tree at all levels of television, sound recording.

worth pausing and recording the academic community towards greater and nut strictly an certainly classifications. This was efter all one of the Brynnor certainly classifications of the Brynnor certainly classifications. The providing sorvices when they are needed. This was efter all one of the Brynnor certainly classifications. The providing sorvices when they are needed. This was efter all one of the Brynnor leads to the state of the Brynnor leads to the state of the Brynnor leads to the Scottish Collago of Textilee has courses in elections tudie, and management; that the Scottish Collago of Textilee has courses in eccourseing, industrial derivation of the Brynnor that the solution to all problems but simply es a teaching. Of course; that collage of Technology has courses in clinical teaching, commarce, educational technology, lead the Dundee College of Technology has courses in clinical teaching, commarce, educational teaching, commarce, educational transported transported to the Brynnor that the Scottish Collago of Textilee has courses in the scottish Collago of Textilee has courses in the scottish Collago of Textilee has courses in edection that processing the accounts in the scottish Collago of Textilee has courses in the scottish Collago of Textilee has courses in the scottish Collago of Textilee has courses in clinety base courses in clinety base courses in the scottish Collago of Textilee has courses in the scottish Collago of Textilee has cou

Ideology, words and witch hunts

whatever it is.

LETTERS TO THE EDITOR

Hence unlike faith, iden-

research. It is an Issue that grop

trol institutions but of present the regional councils, far from wishing to relinquish control, are husy tryling to huild up their empices by playing on the fears within the cul- lages of culuentian.

universities simply wish to ate a system in which the school leaver is the good a

doing as he is told by s in

Letters for publication should st hy Tuesday morning at the let They should be os short as perh They should be os short as perh

and the editor reserves the n

more letters pi

Yours eincerely, DERNARD CRICK, Professor of politics, Birkbeck College,

lages of cilication.

As is the cose south of the larriec.

Scotland le experiencing problems deriving from en overprovision of teacher-troining facilities and it is

lneumbont upon us to seek solu-tions to cope with the changing position of the colleges of educa-tion. It is inped that thoso can be found without denigrating the achievements of the other sectors of Scottleb higher solvestion.

Scottish higher education. Yours faithfully,

een Mergarot Cullege,

L. MORGAN, . Principal, B. DOHERTY,

Sir.—The end of term is not the cal reaction", "conservatism" best time to engage in academic (another term of abuset and debate. Nevertheless the recent "paramaia" that those events pro-Martin-Wasan-Woolfson-Hall correspondence requires some extra Bornfsperion us on aspect of that effort since Marklets are operated reaction, and so to trace it to the spinitence requires some extra effort, since Marxists are energetic reaction, and so to trace it to the prople, and we liberal humanists student revolts, which is what was hare only ourselves to blance if we said. said.
Su why write the letter? Partly because The THES did not evolute the state control of universities, which Professor Martin evidently eventually go under because of our

Obviously Mc Watson is not aline in his alarm at contemporary developments (THES, June 17) but

welcome.
The curviculum of new generation 16-19 institutions is the other side of this coin, and here the universities and polytechnics might have some misgivings. The advertised strength of the tectiory colleges is that A-level students can because it no longer matters what

son's letter as representing a "guttersube level of publishing". How can people who have so little regard for language and for evidence offuri to complain of "smear tactics"?

Nor is the netual thought cuber-

like it or not.

The new president has been critical of the rigidity of her own group, the Broad Laft, and she is likely to be flexible and realistic in her policias. Sha is also a firm believer in democracy, and the Conservatives, who have made much espital significant in the control of th Cowpor presente.

Mr Cowper ("ss a Scot who has lived most of lile life in Scotland")

When in 1965 the Brynmor Jones report out midio-visual sids in higher education recommended the establishment of ceutral mints to derelop their actice use, there was no specific aim that they should be used to ent costs in education.

These recommendations were, of cuotese, made at a tima of economic axonation—eugaseted figures to the settlag up of the centree was 17m and 2.75m ennually—and may look quita different in today's conditions. But it would be a pity if Lurd Annan's remove it as week, that no evidence to show audiovisual and successfully being conditions. But it would be a pity if Lurd Annan's remove it microtecting thereby look quita different in today's conditions. But it would be a pity if Lurd Annan's remove it would expensed to the cotton that AV had comehow falled.

Cost affectiveness is vital but centree to show audiovisual aids cut costs had been presented to the cotton that AV had comehow falled. Cost affectiveness is vital but centre to the first they are fulfilling on need but also reflects the changing attriudes contained unless we know if the quality of education has an area whera there is no ultimata proof, jour that most positive in the control of the course of the color that AV had comehow falled.

Cost affectiveness is vital but centrot be determined unless we know if the quality of education has an area whera there is no ultimata proof, jour that had considered to the cotton that AV had comehow falled.

Cost affectiveness is vital but centrote to the cotton that AV had comehow falled. Cost affectiveness is vital but centrote to the cotton that AV had comehow falled.

Cost affectiveness is vital but centrote the cotton that AV had comehow falled. Cost affectiveness is vital but centrol to the cotton that AV had comehow falled. Cost affectiveness is vital but centrol to the cotton that AV had comehow falled. Cost affectiveness is vital but centrol to the cotton that AV had comehow falled. Cost affectiveness is vital but centrol to the cotton that AV had comehow falled. Cost affectivene

AV and costs

Sic, -- Under the heading An Visual Aids must prove their equationic worth—Amoun " (THES, July ti you report Lord Annan or treet ting that no evidence that auditivisual sids can the cont of edges tion was presented to the Continue of Broadess, ing., unit was any tound.

If it were so, it was a green fault; cerulally the Council for Educational Technology representatives aftered no such evidence when they met members of a committee, nor fild the committee, to a fild the committee of the land assumed this to be being theither they nor we though it want to the committee's deliberations. wants to remain intact. But in that case why is he complaining about the Bernfsverbut? the is left municring not only what he means but in what sense he means That is the nuh of the matter.

that is the film of the marter. Ideology, says Emil Fackenheim, "asserts itself absolutely . . . it knows itself to be not truth but merely one specific product of his-There is however, clear enter ! that some training can be and mare effectively and more day tory. . . Hence unlike fuith, identing the method of the ingramms by its very nature bectare fanatical . . idealogy can achieve certainty only by making itself true." [Metaphysics and Historicith. That is why it does, after all, make sense to speak of Marxist we do not talk of ethnumethodalogical hias, since the hias is ractical and intentional. Rsymond Williams is on this aspect of ideology; hence "poce Raymond Williams" [Murtin) simply will not do; nor will Stuart Hall's genuffections in that direction if he is not going in meet deficit methods of the initial technology—involving in sect and involving in the deal decided and involving the methods of the initial technology—involving in sect and decided and involving the methods of the initial technology—involving in meet decided and involving the methods of the initial technology—involving in meet difficult to show suither ages in quantitative terms of a distinct from training and more difficult in methods of the initial technology—involving in meet difficult to show suither ages in quantitative terms of the initial technology—involving in meet difficult to show suither ages in quantitative terms of the initial technology—involving the methods of the other more difficult to show suither ages in quantitative terms of their achievement so the initial technology—involving the methods of the other methods of the initial technology—involving the methods of the other methods of the o

But hefure too many baset Last mouth's Continon woolth Prime Ministers' agreement with Lord Annu, of Conference in London reminds us that such I point out that there is no critical meetings are now one of the few visible signe direction if he is not going to meet that particular point.

There is an incident in one of other resources used in electroduce costs. Libraries, laboration computers and ancillary set a Pencock's novels land I would be grateful If somehody could provide the reference) where some early and to costs. They also add, all cosmological theory: its component parts and or risual aids, to the deligate separating themselves from each other and quantity of experience and quantity of experience and processing rate, and the event that nineteenth-century theoris) he is satirizing is asked whether he he-lieves what he has just been saving, to students Yours faithfully

SECFFREY HUBBARD, or whether he thereby maintains it. That is Fackenheim's distinction, and it is one that any student of idealogy (and of culture) must inevitably encounter. Dicector. for the Imited Kingdom, 3 Heronshire Street, Landon WIN 2BA

It is an aspect of the psychology of belief, and desperately needing Economies at school

It is an aspect of the prevalent prevalent of the prevared. But is an Issue that rappen in scalar work and related forms of professional training—especially on the same of us at lacets have been activating an for a random delicitim. If anytone in literated addition. If anytone in literated addition, it is an issue that some of us at lacets have been activating an for a random delicitim. If anytone in literated addition. If anytone in literated addition, it is an issue that a sum of us at lacets have been activated in the art of the activation of the party of

Lest mouth's Commonwealth Prime Ministers'

meetings are now one of the few visible signe of the existence of the Commonwealth, For I

le an emity that, in some ways, looks like tho

cosmological theory: Its cumponent parts

st an increasing rate, and the event that

inidated the centrifugal process has been

the tubject of grave thisputo. Possibly the

blg bang" occurred in 1926 when the Bal-

four Declaration announced the existence of

Empire equal in status, in no way subordinate one to mother . . . though united by a common allegiance to the Crown and freely resociated a members of the British Commonwealth

autonomous communities within the British

expanding universe as described in a certain

tondon, and that it is Her Mojesty to war allegionee is owed by British subjects baster they may he; the Stutute of West-baster in 1931 did, nevertheless, ellege that Is one being too crede to the linest that thuse who would make a was a common alleglance to the Crown. the supposedly common and undiviand left unaaewered. Some desarved At oog Dominion Conference in the was said that the lawyers had been settle the Isaue of "Whot happens to k Royal Prerogacive in e dominion if the life see mad?" Could the Crown, it was liked be at peace in one part of the King's and at war in another? (The answer ed out lo be yes.)

any event, the unity of common since was broken in 1950 when india the commonweolth, For India's benefit is, has conceived a ramarkable piece uf

Geoffrey Marshall discusses the evolution of the legal and constitutional complexities that characterize Britain's relationship to the countries of the Commonwealth

The Commonwealth: a constitutional curiosity

Communivealth. Perhaps "nonsense" puts the point too strongly; but the sense end meening of the rern is certainly obscure and uncertain. It is a position with no powers or prerogatives except that of being acknowledged by those who neknowledge it.

ledged by those who neknowledge it.

Some Commonwesth countries, of course, retain the Queen as their head of state. In 1932 the Consultan Gorernment proclaimed Elizabeth II "Suprome Llego Lody In ond over Counda"; but in the style and title admited In 1953 she is shappy "Queen of Countries in sof the United Kingdom and of her other reclaims and territories, in addition to being Head of the Commonwealth and Defender of the Folth. In 1953 South Africa, Pakistan and Ceylon, not wishing the Queen to defend their fally, or else not thinking her espatise of it, dispensed with this element in their acknowledgment of her title.

In most respects the member countries

In most respects the member countries if the Cummonivealth may be treated as in-dependent untlost states. But there remain some forms relationships between them and the Gorocanneut and Porliament of the United Klugdom. The United Klugdom Par-liament provided all of thost with their con-stitutions, and in one oc two respects still has a part to play in their legal processes. A crucial turning polot was the Statute of

A crucial turning point was the Statute of Wesminster in 1931, which gave legol force Austrollo, Canada, Naw Zealand and South Africo to exercise sovereign powers of emendment over their own constitutions. Canada and Austrelia, however, were federal states with legislatures at the centre and at the state or provincial leval.

state or provincial leval.

In Canada the British Parliament was received as legal guaranter of the Internal division of powers; any fundamental change in the structura of the federal system still requires an Act of the Westminstor Puriament. In some respects the same near ha true of Australia (chough some Australia a doubt this): When Wastern Australia wished to secode from the Cummonwealth in 1935, the British Parliament declined to oct on the unilateral request of the state.

Parliamentary sovereignty

In the case of Caneds, however, successive British Governments have amended the British North-America Act at the insistence of the Federal Parliament, forgetting thet the Federal Parliament is not Caneda. In theory of course (British Iheory that Is) the United Kingdom Parliament could repeal the emiter Constitution Acts of Canada and Australia, and reduce them to coloniel status. But geographical seporation and junistic practicality make this an improbable enterprise.

Nevertholess, the sovereignty of the Imperial Parliament might be more than a legal fiction if Scotland were avar to be given independence as a separate monarchy within the Commonwealth. The contiouing and unlimited supremacy of the Westminster ways tha "mother of parliamentary pffspring.

Many British conventions with more laxity than her parliamentary of persist to hold on to office after being defeated in a vote of confidence in the flouse of Commons.

If so, another Commonwealth precedent might be prayed in add. In 1963, time Privy Council upsted the action of the Governor of Western Nigeria, who had dismissed the prima minister on the ground that he prima minister on the ground that confidence of the legislature as British coordinates as British conventions with more laxity than her parliamentary offspring.

Many British Pulme Minister were to attempt to hold on to office after being defeated in a vote of confidence in the flouse of Commons.

If so, another Commonwealth precedent might be prayed in add. In 1963, time Privy Council upsted the action of the Governor of Western Nigeria, who had dismissed the prima minister on the ground that confidence of the legislature as British conventions with more laxity than her parliamentary offspring.

Many British conventions after the conventions of the interpritation of the confidence of the legislature as British conventions with more laxity than her parliamentary offspring.

Many British convention for the ground that the confidence of the legislature as British conventions are in the formation at

pragmatic nonsense, the "heodship" of the to Edinburgh that it is to Ottawa or Camberra. (For the same reason federalism with tha United Kingdom may be thought unettain-

> Two vestigial links between the United Two vestigial links between the United Kingdom and the Queen's Commonwealth realms one the Privy Council and the governors general. Though the Judicial Committee of the Privy Council hears appeals from the dependent territorius, almost all the andependent Commonwealth countries have obolished appeals. The Australion's suites, lioivever, still and the algebra of council by special leaves. enjoy the right of opped by special leaving the 1960s several suggestions were made for the institution of a Commonwealth Court of Appeal composed of judges from various Commonwealth constrios, but no such development now seems likely.

As to the position of the governors-general, it may be noted that their ontological status is slightly mysterious. A governor-general is not the representative of the British Governthe represented on the divice of the gavernment, but of the Queen. Since 1930 ha has been appointed on the advice of the gavernment of the Commonwealth country concerned, but it is not perhaps quite clear whether (in Austealls for example) local ministers are advising the Queen of Australia, or the Queen of the United Kingdom. Dismissol of the governor-general also seems by convention to be available on demand by ministerial advice; though the only precedent occurred in 1932 when the governor-general of the then Irish Frea State was removed at the instance of Mr De Valero.

The point might have been of vital import-once to Mr Gough Whitlam in November 1975, when the Governor-General of Austra-lia dismissed bim and his government in order The point might have been of vital importonee to Mr Gough Whitlam in November 1975, when the Governor-General of Australia dismissed bim sad his government in order to resolve the parliamentary deadlock between the two houses. If Mr Whitlam had discovered what was in the governor-general's mind, he could have engineered a constitutional pre-emptive strike by advising the Queen to dismiss Six John Kerr from his retain the Queen as its head of state and office as governor-general, and in all problem in the ground in all problem in the ground of the Country does not require the to comply (though she might have staged a leeded delay long enough to enable the governor-geoeral to wield the prerogative).

The prerogative of dismissel of e ministry

In the Uolted Kingdom has not been clearly need since the late eighteenth century. Conceivably the Queen much feel entitled to use it if a British Prime Minister were to attempt to hold on to office after being defeated in a vote of confidence in the House of Commons.

mons.

If so, another Commonwealth precedent might be prayed in sed. In 1963, the Privy Council upheld the action of the Governor of Western Nigeria, who had dismissed the prima minister on the ground that he no longer held the confidence of the legislature as British coordinational convention requires. In some ways the "mother of perliconants" has treated the conventions with more laxity than her purisamentary offspring.

olament that is olien to the parliamentary tra-dition, namely the enortment of Bills of Rights. Many were distind with the assist-ance of Brisish lawyers in the Commonwealth Raintions Office.

In 1960, Canada adopted a set of consti-tutional guarantees which is now attracting the attention of United Kingdom Bill of Rights novocates. In some ways the Conadian is the most suitable model for importation, since it makes no effort to limit the sover-eignty of the Federal Pocliament which can oust its pruvisions by express enortment, a facility which the timider school of English constitutional reformers would like to see retained by the Westminster Parliament.

Perhaps the most striking change in the Pernant the most striking change in the . Commonwealth relationship is the virtuel disnippearance of the United Kingdom Coown and Parliament's former centrality of status, Though British statutes provided all the Commonwealth countries with the legal fnandation for their constitutions, a number of them preferred to adopt the fiction that their legal systems were hame grown.

Membership decis.on.

Whore such a theory was contentious-us in Rhodoeln—it has been dubbed UDI; where done with Imperial approved and complicity, the eners summitted label "outochthony" has been attached. Either is a repudiation of tha cournal sovereign authority of Westminster.

Tha other striking manifestation of that rejection is the thesis that membership of the Commonwealth is a matter for decision by all the members, and not for the United King from Commonwealth monarchies that have adopted republican forms of government have spplied for commutation of membership, sud

have been given it by the prime ministers assembled at Commonwealth conferences.

South Africa followed the precedent of applying for continued membership on becoming a republic in 1961. The attitudes of the other members in fact parsuaded South Africa to withdraw its epplication. Entry to

would no doubt be necessary.

Would no doubt be necessary.

To the past decade, one important convention previously adopted by the Commonwealth prime ministers has clearly chonged. In 1960 Mr Robert Menzles, the Australion prime minister, remarked thet "the prime indolsters conference would break up in disorder if we effected to discuss and decide what we thought to be the propar measure of democracy in our vorious countries."

The members, he said, were not a tribunal always in judgment or publicly ventilating intra-Commonweelth grievences, "That is why", he added, "I can sit lo a prima miloteter's conference and feel instently on much et home as if I were eleting in my own Cabi-

et home as if I wera eltting in my own Cabi-net." In 1977, when Cabinot government la may have falt much the same.

The outhor is lecturer in politics and fellow ef The Queen's College at Oxford.



The Politics of South Africa-Democracy and Raelal Diversity by Haword Brotz Oxford University Press, £5.00 ISBN 0-19-215671-3

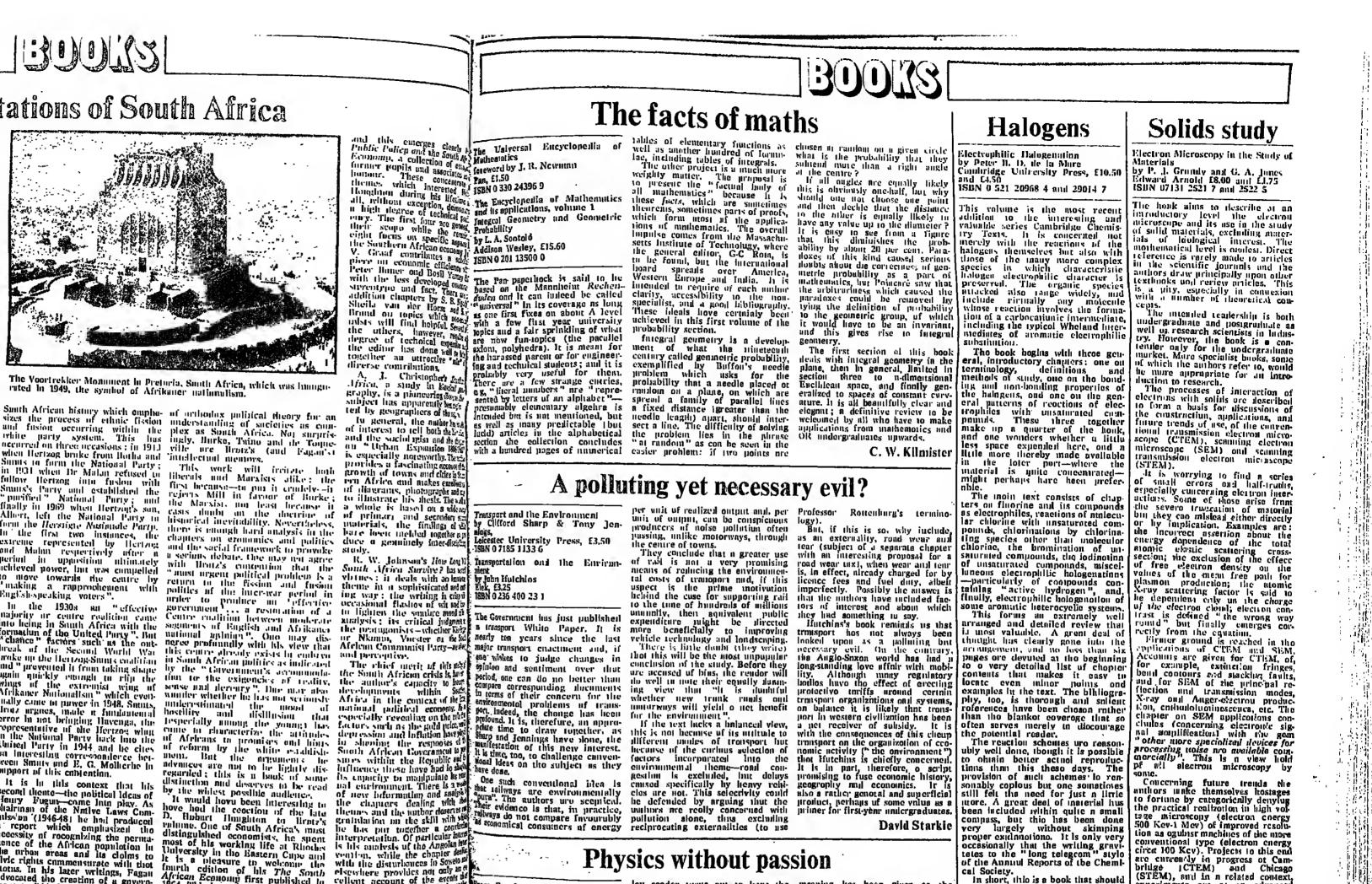
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gare.

Davenport's own approach is that f the liberal Africants, although modestly desclaims any ability to "handle the vernarialar source material...". Name the less, he has written a text which will be invaluable to tenchers and students alike. able to tenchers and students alike. He has made excellent use of an astanishingly wide runge of source unsterials and shows, in particular, a sophisticated grast of the amnographs available on African history from the pre-coloulol period through the pre-coloulol period through

He is especially interesting on the period from 1838 to 1870 and his interpretation of the Great Trek is subtle and perceptive he takes issue with the standard Afrikator Nationalist Interpretation which emphasizes this event as a fullemphasizes this event as a "mile-stane in the development of conscious Afrikoner Nationalism"; yet, while recognizing the contribution that the trek as myth has made to the historical development of that nationalism, he makes the valid point that "any suggestion that the Trek was a demonstration ugainst slien government because it was



A polluting yet necessary evil?

The second of the second

Critic still in practice

I. A. Hickards, Complementarities: Ducollected Essays edited by John Paul Hussu Carcanet, £6.00 SBN 85635-156-3

 A. Richards is now in his eighty-fourth year and still productive, and he is so various a writer that those who admire and respect his wark must find difficulty in deciding for themselves whot parts of it are most central and likely in last. me the most instructive—and must annising—book ever written on the annising—book ever written on the question of how to rend poetry intelligently. Rereading only confirms one's sense that it supplies, at lenst in suggestion, all that is needed. It is rare, almost unique in its lield in being incisive without being in the least doctrinaire. Richards the least doctrimire. Richards has, however, hit many the good to say is better said the viries always us one fully aware of the internal every comment on all the pieces from his some very cryptic points.

"to party gave up what was meant wise have, at a time when such sub-fur mankind". Richards, it would jeets as John Watson or Max Eastseem, has given to mankhul—to man have his their provocantelementary chication, hasic English, the development of semantics—what was meant for literature. The fooling that this is so has no complains that what he said has been misunderstand or ignored. what was meant for literature. The feeling that this is so has undustrily influenced the general literary community. Richards's vogue as a "practical critic" and theorist of literature has long been over, and the literary community has tended to ignore his later books.

One reason, then, for welcoming this reprint of meoffected essars is that it brings home to us Richards's rowinning concern with great literacontinuing concern with great litera- seems to me a certain waywardness

ture and with the ordinary nu- a coyness about being ping specialized reader for whom great to unequivocal statement. terature nuglit to exio. John Paul Russu's excellent selec-

thon gives about equal place to the "thenry" and the "practice" of criticism as illustrated by Richards, will be is an he noted that some of the heat pieces by the second category are vecent, for instance, the very interesting discussion of George Monre's movel alrom Christ, The Brank Kerith, Those at us who have historia felt that this mive) though free from the tastelessness tributes to Mace, completed that disfigures Lawrence's The Minimum Mes Mace, and remining thinking Practical Criticism 11929 Who Died) was annewhan terbinate. Combridge in Richards's best buok. It seems to must now think again, Richards has days, together with sharmen the most instructive—and must none of his capacity for fine to be a parenty of 6 for

unist now think again. Richards has less none of his capacity for fine observation or his powers of persuasion.

Our most of the pieces in the values are all work, the first items heing dated PIP, and inevitably not all of them have versioned their original interest. Professor Russo has, however, hit upon the good first is better said to take to say is better said to take to say is better said to take to make the first items. That some may have felt that since the 1930s Richards has invited a judgment the riverse of that which Goldsmith passed on Burko, who "to party gave up what was meant for mankind". Richards as limited to party gave up what was meant for mankind". Richards as limited to party gave up what was meant for mankind". Richards as limited to party gave up what was meant for mankind". Richards as limited to party gave up what was meant for mankind.

its context of origin midstantle to open the mid to early pieces on lloping and this to easily we fol Richards scens to have me almost everything the leadiest knowledge and a later pay. He is not merely a first present-day readers to much

tinuous argament.

Sociological Research Methods: An Introduction by Martin Bulmer Marmilan, £12.00 and £4.95 ISBN 0333-21252-5 and 212738 Unformately the lectural plementariles which had whosen for the site of his. vitorem for the attention with their most irritating for in their most irritating for necasion closes by Richards enunciation of his done complementarity 621 21 minutes attention of the late C. Af mind what Richards has to allow the allow the stockers and the stockers and the stockers allowed the stockers and the stockers and the stockers and the stockers and the stockers are stockers.

that this is typical of heart lection, or of Richalls it, general. Due does not add a personal friend or of add, find much here that here

Against the fetishism of method

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about thinking about socialogy as an alternative to mundane social methods to problems. The point, arriking demonstration of the way in alternative to mundane social methods to problems. The point, wrung from a continuing practice of inquiry which in the long run rather, is to see that the interdependence of problems, theories with theoretical sensitivity and a self-consolver dependence of problems, theories with theoretical sensitivity and a self-consolver dependence of problems.

Impaired vision

The August Issue of Akras is a special double number devoted to Hogh Mar Diaranid to celebrate his 85th birthday. It contains articles, and portraits of the poet by Emilio Coin. This issue, edited by Duaran Glen, costs £1.50. Akras costs £2.00 for three numbers and is available from 14 Parklands Avenue, Penworthan, Preston, Laurashire.

Darkness Visible University of California Press. £7.50 ISBN 0 520 02942 9

Should be and

76 1945 T. S. Elfar said Virgits" Aeneid as the rentral classic of European iderature, the parelle definition of the destiny of European scholars have found in the poem un allegory of mon in society, with its hero Aeneus the founder of a moral order based upon duty and self-self, so in this start passage we length slady of the religions of the safety and self-self, so in this start passage we length slady of the religions of the destiny of Europe. Since then Germon nod American sald the pity when she is so can sald the followers by Peess, 14.00 and the Sublime by Start A. Ends and the Sublime by Start B. Ends and the Sub

During the Victoria War some American scholars reacted against this positive view, arguing for instance that when Aeneas kills Turnus at the end of the poem, he is guilty of a crime of vinient passion and that the poem is not missistication of war and empire, but rather an indictmant of them. For W. R. Johnson, writing during the poet with the save anything mure about this caselye hrighmess. Hence, o delusive splendor thruws a boomiful yet suits every believed.

Mixoo troubles, the Aeneid provides a cleor view of the dorker side of burned.

Mixoo troubles, the Aeneid provides a cleor view of the dorker side of burned.

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Mixoo troubles, the Aeneid provides a cleor view of the dorker side of burned.

Mixoo troubles, the Aeneid provides a cleor view of the dorker side of burned.

Mixoo troubles, the Aeneid provides a cleor view of the dorker side of what we assumed we were meant to see." And sn on. American acholars reacted against

John on melics the same stor of moil over the death of Dido. "Three

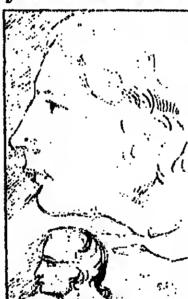
times she lanked for fight in the sky and meaned when she saw it "
(bigemulique reports). But Jahnson takes this to mean not that she mouned but that she died. So when onniputent Inno pitied Didn's painting death and sent down Iris, the Rents: The Helighus expendence of the Robort M. Ryan irer, Johnson naturally finds the Princeton University self, so in this struct passage we have three shifts of marganye facus, in Dido, to June and back to the

A system of salvation

Reuts: The Helighus Sense Princeton University Press, 418.10

Observing that there was no boadlength study of the religion of Kears, Robert Ryan see out to fill the gap. Reason um the need; it

David West | with Boiley,



and sumbiliates that vision with one tracker an indicensant of trein. For the state of the device with the case of the device with the case of Burler in The Analogy of Religion as mediated through discussions with Bolley, with Bolley, the state of Joseph discussions beneficient, to his later untray itself and the reaching out to embrace the day with Bolley, the state of the state

The application of the often observed, but doesn't notice, but doesn't netter, as is shown in misers acount of forthment with the country of the Ode lob five reading of the Ode lob freis in Endymin had finds the maturing part kears first shown scrious of marked in the shift from the pace tornal it far from arrive at a resolution to there awakes to the his-Cynthea, by his side, but its field in "perplexity" (17.8) state "at milds with the myb-Tatem ".

As the book moves of

tules and later poems, the a tends to take over, and st

Quantification and the social scientist

An Introduction to Multiparlate Techniques for Social and Behavioural Sciences by Spencer Bennett and David

analysis of Vorionce y Gudmund II. Iversen und Helmid

Operations Research Methods by Swart S. Nagel and Murician Neff

Once research is undertaken, rirtually every social acientist feels the need for some method of summarization, of presemation, of apolysis of his ting, however obscure or subtle they may be; Given an initial sly approach, the temptation is to infulge in averkill—laying on

several varients of factor and component manysis (chapters two to five), muthidimensional scaling (chapter six), directaninam analysis (chapter sevon), and "do analysis of qualitative data" (rapertory grids, conditional probabilities and simple letent class analysis).

The focus as vory narrow, and will really only appeal to psychologists; the virtual oxclusion of mutiple regression means that few economists, sociologists or political scientists will find it useful. My main emicism is a prediction: I very much doubt whether the audience they court will like 11, or profit much from it. There is little concephal, non-mathematicat, they by Steart S. Nagel and Marian Nett inhibits of States of Significance by Remos R. Henkel Sage fl.75 each ISIN 9 8039 06501, 0651 X, 0654 4 and 0652 8

Testal and Significance by Remos R. Henkel Sage fl.75 each ISIN 9 8039 06501, 0651 X, 0654 4 and 0652 8

Testal and solution to the limits of politivism provides excellent substantial for which is the students have often suffered from devastatingly bad mathematics in the students have often suffered from devastatingly bad mathematics in the students have often suffered from devastatingly bad mathematics in the students have often suffered from devastatingly bad mathematics in the students have often suffered from devastatingly bad mathematics in the students have often suffered substance of the students have often suffered from devastatingly bad mathematics in the students have often suffered sake been told that social sindles is interesting at the students are the students from devastatingly in furned institute of the students have often suffered from devastatingly bad mathematics in the students have often suffered sake been told that social sindles is interesting to the students have only in the real methods to the sufficient of the social scients. The students have often suffered the social scients in the sufficient of the social scients in the sufficie

students. Yet, like Dr Johnson, even thuse of us who try to sympathize with the quantophrenic position fluid that cheerfulness keeps breaking through.

Once research is undertoken, ritually every social scientist feels the need for some method of summiration, of presemention, of supply and the first cheerfulness keeps breaking through.

Once research is undertoken, ritually every social scientist feels the need for some method of summiration of presemention, of supply and the first cheerfulness in the social Sciences. The main press covered are a restally method, or treats Torgerson's method of multidimensional scaling as central?) Indeed, all "recent developments" (since 1964 l) of non-inertic scaling are reduced to a single paragraph I It is a well produced, but a safey disappointing to psychologists and economists.

The main press covered are

rious experience of teaching to psycholugists and economists.

The main areas covered are several variebles of factor and component manysis (chapter six), directainant analysis (chapter sevon), and "do analysis of qualitative data" (rapertory grids, conditional prohabilities and simple lettent class analysis).

The focus is vory narrow, and will really only appeal to psychologists; and students con octually be expected to buy a copy.

and students con octually be expected to buy a copy.

Unfortunately, the editorial team is not well known, and I find the introductions by the editor. Brie M. Uslaner, unnocessarily eedicommondatory. But if the series can brook out of its narrow stockical focus, it will meet an important and increasing need for eosily accessible, non-technical and social science oriented merbods texts which people can afford.

A. P. M. Coxon

and scientific Information. Pat and by Pitman, It costs, 15,001.

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Wek's reviewers

"I die de the professor of section of the professor of politics o

translated.

Perhaps more sarious, in whatever light one regords the work, is shat the case spudies are not reported with enough information on their context for it to be easy to cloke asus of them; each gives the perceptions of only one individual, in a situation which lovely ved others; the publications from the research described one out given; and, in several Swedish reports on research lute individuals. organizating frenches and considered of the linesture to producing with the winder augo of the linesture to producing with repeats, based on the author's the dissembnation of technical scientific information. Published by litman, it costs 15,00.

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A second edition, revised and enlarged of The Books of Charles Durwin, an Aunotused Bibliographical Handlist, by R. B. Freeman, has been published by Wm Dawson at £10.00.

Architects

Who's Who in Architecture from 1400 to the Present Day, edited by J. M. Ricbards, Is a dictionary of architects which starts when the notion of the professional architect first emerges. The 500 entries are arranged alphobetically and major architects are covered by a specialist in that period, Published by Weidenfeld & Niculson at £4.95.

America's history

A Concise History of the American Republic, by S. E. Morison, H. S. Commoger and W. E. Leuchtenburg, on obbrevioted and revised edition of The Growth of the American Republic, first published in 1930, is published by Oxford University Press at £12.50 and £6.95.

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Director 1 Mr P. de C. Guitont

EDUCATION OFFICER REFF I ENTISITE The appointer will be repossible in the Hiractor of Internal Studies for planning and so-ordination the external presentation of the University's science, leader Mathematica, Moretal Nelsons and Internal Resources, Physical Mathematica, Moretal Nelsons and Frequencial and Expedit to Mathematical & Physical Sciences and Population and World Resources from the School of Internacialal and its Sciences. The appointer will also be expected to coordinate of them programmes. Particular emphasis will be placed in the appointer of the programmes. Particular emphasis will be placed in the appointer of the programmes. Particular emphasis will be placed in the spokes in proving the light of the latest particular in the Science and Chemistry form the Biology, Instrumental Science and Chemistry Pagentines.

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SCHOOL OF SOCIAL INQUIRY

AD LECTURESHIPS IN PSYCHIDLOGY (REF: ENDS) 5 & Mariah The School of Social Inquiry comprises programmes of the Psychology, Social Inquiry comprises programmes of the Psychology Social and Political Theory, Masury and Fosner and Theory, Masury and Fosner and Inquiry Comprises in Clinical Psychology and in Church and wrontines in Clinical Psychology and in LDUCATHINAL PSYCHOLOGY.

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OMPALE Salary range: I echarge SA14,345 to \$A10,884 per amount. Design of appointment include superamonation, until or to E.S. S.U. is strike leave, exolect study have, payment of farce to Peril at lease purchase scheme. ME. All approvides may be reprired to participate in courses the standing

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Rhodes University

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Grahamstown, South Africa Applications are invited for the following posts from 1st January, 1978;

ACADEMIC

STELLA AND PAUL LOEWENSTEIN CHAIR OF DEVELOPMENT STUDIES (IO) Itva SENIOR LECTURER/LECTURER IN ACCOUNTING

SENIOR LECTURER/LECTURER IN ANTHROPOLOGY SENIOR LECTURER/LECTURER IN COMPUTER SCIENCE SENIOR LECTURER/LECTURER IN MATHEMATICAL STATISTICS SENIOR LECTURER/LECTURER IN APPLIED MATHEMATICS SENIOR LECTURER/LECTURER IN PURE MATHEMATICS

LECTURER/JUNION LECTURER IN JOURNALISM (Radio and letevision production experience would be an advantage)
LECTURER/JUNIOR LECTURER IN PURE MATHEMATICS LECTURER/JUNIOR LECTURED IN ZOOLOGY

(Either in Involebrate Biology or Animal Physiciony)
JUNIOR LECTURER IN PHYSICAL EDUCATION PROFESSIONAL ASSISTANT IN AFRICAN LANGUAGES

NON-ACADEMIC

UNIVERSITY LIBRARIAN **ELECTRONICS TECHNICIAN**

The salary aceles are:

PROFESSOR: R10.800 x 450-12,600 x 600-13,800 per minum SENIDR LECTURER: R8,480 x 300-9,900 x 450-11,250 par annum LECTURER: R6,300 x 380-9,180 per annum

JUNIOR LECTURER : 84,920 x 180-5,100 x 240-8,300 x 380-6,660 per euroum PRDFESSIDNAL ASSISTANT : R4,920 x 180-5,100 x 240-6,300 x 360-6,680 per annuin (Graduate); R4,200 x 180-5,100 x 240-5,340 per ennum (Non-Graduele) UNIVERSITY LIBRARIAN : R10,800 x 450-12,600 x 600-13,800 por ennum

ELECTRONICS TECHNICIAN: R3.480 x 180-5,100 per annum
(Nota: £1 aterling equela approximetely R1.50)

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The initial salery will be determined according to quelifications and experience. In eddition a supplement of 10 per cent on the above acates and a vacation sevings bonus are payable. In the case of the Sanior Lectureship in Accounting, provided the appointer's qualifications and practical experience are accoptable to the Public Accountante' and Auditors' Boord, he will quellly for a subvention of ealary. The successful applicants will become members of the University's pension and niedical

Further perticulare end application forms may be obtained from the Scientific Counsaltor, South Altican Embassy, Chichester House, 278 High Holborn, London

One copy of the epplication chould be sent to the Scientific Counsolfer and one copy logather with a recant photograph direct to the Registrar, Rhodes University, Grahemstown, South Airica, by 12th August, 1977.

Department of Science Education LECTUREN/ASSICTANT LECTURERY

BIOLOGY TEACHING/HEALTH SCIENCE EDUCATION

LECTURED/ASSISTANT LECTURER IN PRIMARY/TEACHER TRAINING SCIENCE

QUALITICATIONS LECTURER:

ASSISTANT LECTURER:

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Further protective and application beam are obtainable for it nagiving. University at Cape Cossi, Cape Cossi, or from the say Assistant Hapistree, Universities of Grand Olice, 15 October 548, London WC III OAC, with whem application forms [tive capita] \$22, but lodged that later than 20th July, 19.7.

UNIVERSITY OF GUYANA

Vacancy-Department of Political Sciente & Law

Applications are lawied for the post of

LECTURER

in the Department of Political Science and Law-Applicants must be oble to teach Political Economy and

eny one of the following:

(o) Comperelive Poilics
(b) Pollical Thought

(c) Local Government (d) Revolution and Modernization Applicants must have o higher degres, profesably a Phil. Salary Scela (per annunt)

Lecturor UA3: G\$9,000.00-\$14,780.00 (U.S. \$1.96 G\$2.65) Point of antry on the sculo will be determined by qualification

Foint of antry on the scalo will be determined or designations, relevant experience, research and publications. Anyone recruited from oversoes will be provided with a lot lour (4) full economy air large (for himself, wife and unmarried children to to 18 years of agel. Light removal expenses, o settling in allowance and with the light per consecutive years of sarvice with the University of the consecutive years of sarvice with the University and per research of contract. Contributory medical and per allowance into contract. aion acheines lit opernilon.

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UNIVERSITY OF KHARTOUM SUDAN Applications are imited for the following posts or that

DEPARTMENT OF ENGLISH, Fuculty of Arts :

FRENITS OF ENGLISH.

FRUITS OF ARTS:

I PRIFESSIR DU HEATHER IN TIFL, who will not as co-ordinator or director of a prisignalized diploinin course in TIFL. Applicants must be holders of a higher degree, neter style 1913, and must have tead many gears experience of teaching and records in the field of TIFL. The prospinalized diploinin course in TIFL is a new one and will be othered for the lirst lime in Angust 1977. The appointed will be required to teach, give hadership, supervise research and also for as an advisor for the Repartment of English with negard to its language courses at the undergradume level.

2 LECTUREH IN ENGLISH LANGUAGE. The appointed will be asked to supervise the work of the Department with regard to the teaching of English communication and study shills) in the prediminary and intermediate years. Duries will helide the development of the programmer offered by the Department of English as well as teaching in these courses. He/Siar should have adequate acade into and TIFL qualifications, esperies in the production of eaching invertals and a background which includes publications and research. He/Sia may also be required to teach one or two contests in the postgraduate level trainform in the Department is required. A PID in Applied Linguistics or a related held and whigh level of conjutence in one or more aspects of Applied Linguistics are highly desirable, how level of, or interest of Applied Linguistics are linguistic and the programme trained and programme to the programme trained and programm

and criticion. He/bit may also be required to give a head with the proceeded ide of the Theory Arts programme. Applicants usual be indidered in higher degree, preferably a PhD degree, with appropriate research experience in one more aspects of drimes.

6. 2 LECTURENS IN LITERATURE IN REGISTSII. Preference will be given to applicants whose area of sneedshallonds. In post 1860 tilearment, A good (knowledge of, or an interest in, American or Afrona literature will be an advantage. A special feature of the New Proposed Programme of Sinaly is the highracture and Suckety) designed to literature the reference of Ricciture to an inderstanding of homomy vacidy. Again, work on, or interest in, this expect of literature will be an advantage. Condudates should be looken of a higher desires, preferably of Phil and must show evidence of teaching and research in the field of past 1800 illerature.

and research in the field of part 1800 liberature.

Salary scales: Professor \$54,135 n.a. \$53,625 p.o.; Lecturer \$51,600-\$52,400 p.a. (£) sterling = £80,591. The Brillet Government pasy applement solution of appointers to posts 1, 2 and 3 in range \$1,42,43,123 p.a. (serling) for married appointers of all 18,1,839 p.a. (serling) for married appointers of all lost 1,839 p.a. (serling) and provide children's chreation aboveness and halling whit provages. Tilly supplementation in sullkely to be provided for appointment to posts 4, 5 and 6. Family passages; talkans allowances: supergramuation scheme; angual proviets bote. Hetelied applications 12 rapies), heriarding a carrienting state and manning 3 relarges, about to seas by sir wall, not inter than July 29, 1977 to the Pessaguel Sacretary, University in Rhartourn, Ph. 50x 321, Khurtonin, Sudan, Applicants maked in UK should also sand 1 40pp to fate-University Council, 99/91 folicohum Court Mann, London 1919 ODT. Further particulum may be obtained from other address.

UNIVERSITY OF THE WEST INDIES JAMAICA

LECTURER/ **ASSISTANT LECTURER** IN GEOLOGY

Capariment of Occlosy
Pratorence will be given to persons who have traducto or neutralistic experience in geologi or hydrogoology, particularly o korollinasione areas.

LECTURER/ ASSISTANT LECTURER IN SPANISH

Capatiment of Spenish
The primity responsibility will be
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Literature or Linguistica.

LECTURER IN THE TEACHING OF

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(£1 sterling) equals 1\$2,14].

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UNIVERSITY OF BOTSWARA AND SWAZILAND University Collage of Sotswana LECTURESHIP IN

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NATIONAL UNIVERSITY OF LESOTHO

LECTURER IN ECONOMICS

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Some specialist knowledge of public flances and manelery accommics in the context of accommic development would be an advantage. Appointment with the permanent of an context for two, four or six yents. Salary scales funder raview): Genior Locturar RS,084-RR,124 p.s. RS,0

UNIVERSITY OF NATAL Ceparlinont of Classica Applications are invited from authors of the post of t SENIOR LECTURER/

LECTURER IN CLASSICS

Intertify or both.
The salary seats effected to the poste is:
Gentor Lectureship: R6,820 x 360-R5,900 a 490-R11,260.
Lectureship: 80,300 x 390-R9,180.
Plus 10% persionable allowence per annual for both poste the poste of the dependent of the salary notatively be dependent on the qualifications and expelience of the auccessful applicable. In addition, an annual vaccilion savings bonue is psychological to Trosaury regulations.
Application forms, fullier particu-Trossury regulations.

Application forms, further particulars of the post and information on parallon, medical aid, single bursary, kevelsy loan ond subside a constant of the particular and investing a spenses on liret appointment are obtainable from the Registrar, University of Naiel, P.O. Soa 375, Pf termaniziners, 3200, with whom applications, on the prescribed form, must be lodged not false than 28 July, 1077, queling PMS 30/77.

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UNIVERSITY OF GUYANA Vacancy-Department of Biology

Applications are invited for the post of

LECTURER

TERRESTRIAL ECOLOGY

Applicants must have a higher degree, preferably a Ph.O Prelesence will be given to applicants with knowledge and experience in tropical ecology. University leaching and escerch experience will be en edyaniage

Selery Scale (par annum)

Lecturer UA3: G\$9,000-\$14,760. (\$1 (U.S.) = \$2.55 (Guyena) actors (Guyena)
Point of entry on the scale will be determined by qualifications, relevant experience, research and

publications.

Anyone recruited from oversens will be provided with Anyone recruited from oversens will be provided with up to lour (4) full economy air teres (to himself, wife and immarried children up to eighteen (18) years of oge). Limited removel expenses, a softling-in allowance and housing allowance will be peld. Vacation/Study leave effer three (3) consecutive yeers of service with the University and upon renawel of contract. Contributory medical and pension echanics in operation.

Applications (3 copies) stating date of birth, qualifications end dates obtained, experience (with dates), names and addragese of three referees (one of the rolarces mucel be your prosent or last empfoyer where appropriate), must reach the Personnel Section. University of Guyona, P.O. Box 841, Georgotown, Guyana, South America,

LECTURER IN

ECONOMICS

Applications are invited for

Salary Scele : £3,616-£7,324

Appointment will be made in the renge £3.816.£4.021.

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there is a non-contributory F.S.S.U-lype ... penaloo scheme.

Application forms and

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Closing date for receipt of

applications is Friday 22nd

UNIVERSITY OF

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ISYSTEMS

OFFICER

MANAGEMENT

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July, 1877.

BELFAST The Queen's University Opposite of Pure and Applied Physics RESEARCH FELLOW IN ASTROPHYSICS

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UNIVERSITY OF THE WEST INDIES TRINIDAD Acolications are trivited for

LECTURER/ASSISTANT LECTURER IN COMPUTER SCIENCE

to teach Data Processing and Systems Analysis to Accist Sections at udants and aclanilic programming to Auricultura. Science and Engineering Students donts. Salary scates : Lectural 1977/78 T7518,671-TT520,768 p.e. Avalaiant Lecturer: 1877/76 p.e. 1877/76 T751S,488-T751S,976 p.e. (£1 storfung-T754.12.) FSSU. Unfurnished accommodation furnished available of 10% or furnished at 123% of housing allowance of 20% of paratomable aniary. Up is five full economy adaption. eace on appointment and ca romal termination. Gludy and Troval Gran).

Detailed application naming throe (S) releases to Secretary, UNI, SI Augustine, Trinidad, Details of posts sent to gil applicate.

BATH

THE UNIVERSITY

THE UNIVERSITY OUPARTMENT OF CHUMISTRY TEMPUKARY LICTURESHIP Applications and invited for a uno-year locureshin consumering in October, 1477, on 6-fary arain (23,333 to £6,655.

Aunikaliana are invited for LECT UNESHIP IN MISTAL PHYSIOLOGY Preference will be given to conditions able to underland teaching in both transmet and biological cheminity. funthor particulars and application forms are observable forms are observable forms are observable forms in the property of light, Bath BA21 involves of the property of the p Addications the contest in-cluding o curriculum that and the same out adverses the contest of the contest of two stadestic curriers of absolute to the contest of the currier of currier tests of the currier of what the currier of the currier of the currier of the currier of what further particulars may be obtained. The shrifing salary for this dament will be set within their just of the stole to £5,550 per onnum. "ole for applications 1 2, 1477



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The Fellowship is University sup-certed and will be for three yourselful with a salary scale of \$23,332-66.627. Perform reginests for further details and application forms to Paul Joinson, Estab-listanent Olicai, Ref., 77/23MA.

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LONDON

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APPLICATION ASSOCIATION ACCURATE Applicates should not provide the proposition of the propositio The Probet Differ will work with visiting Cax, who is Bluetor of the Unit, and a properation of the Will, in Law with the Mills with the Blueton with hell eventually compute a number of probes on nutsing officeality. TYPE I PHER OF SENDER LEVEL TO THE RESIDENCE OF SENDER LEVEL TO THE RESIDENCE OF SENDER LEVEL THE RESIDENCE OF SENDER LEVEL TO THE R Applications close on August 31, 1977.

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THE OPEN UNIVERSITY

FACISLITY OF BORDAN.

COURSE ASSISTANT IN PSYCHOLOGY

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The Ospartment require a Temporary Lecturer for a cost of of 12 months, commencing on Int October, 1977. The oction appointed will be expected to be cupable of teaching undergreeous to the october, 1977. The october of teaching undergreeous of teaching undergreeous of teaching undergreeous of teaching with take part cito to interest on the present of the october of

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Annikations are incited for a temperary Lettriutieship in PSYCHIUZHIY. The necessital randicate, who will be oppointed for non-year only, will be required to replace a temperary feave, it is nowed that the attracessful cardidate will be attended to take un the post from 1st October, 1977. Applicants should be able to teach courses in the Psychology of Lautuage and Coutillon.

Salary within range £3,333 to £3,761; F.S.R.O./O.B.C. Applications time copies, giving the unuse of the preferred that the facility in lypearity, giving the unuse of three referreds, chould be mismilled by 29th July, 1977, to the Estellishtunia Officer, the University, Collega fure, St. Andrews, tile, from whom further tarticulars of the pacinary be obtained.

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Please write for further details to: Mr R. Hart, The Cantre for Art & Design Education, The Department of Education, Menchester Polytechnic, John Celton Extension, Cheetar Street, MANCHESTER M1 6GD.

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The successful candidate will be required to contribute to the tauching of social policy of degree and diploma level. An interest in the principles and context of social golicy or his health service would be an advantage.

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Applicants should have an honours degree and/or be a qualified ACMA/ACA/ACCA/IPFA/ACIS with an anihusism for leaching.

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Applicants should have toeching experience and a higher degree or aquivalent in Education. Qualifications in Philosophy of Education mid/or Spocial Education would be an odventage.

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August, 1977.

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To succeed the late Dr. W. Frank. Selary! Head of Dapartment Grade V £7,395£8,271 per annum plus £312 plus £180 supplements.

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Further parliculors and application forms may be obtained from the Deon of the appropriate Faculty. Applications technically in nones of three referees, should be submitted as soon as possible, and preferably not later than Appusi 15, 1977. In the appropriate Dean, Oxford Potytechnic, Oxford OX3 08P.

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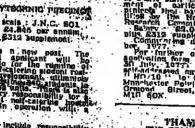
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LETTERS TO THE EDITOR

The consecutive-concurrent issue

Sure-Harting Io II Southern Trefaild only two varieties of Linox how eaver it is in a threaten reining armation to pularize a crucial issue. I round therefore beg Francis Wright, Bill Percival, the NAS-UWT and roun leader writer (The THES, Jame 24), not to pularize the consecutive concurrent issue in teacher education. The desirable prodominance of concurrent teacher advantagement for armany was to the concurrent teacher advantagement to the concept of the concept of

All parties should consider whether the concept of varying degrees of contentrance provides a more (roitful basis for the future than the unnecessary dichotomy between concurrent and consecutive courses. We can then unite in argaing that a high degree of concurrence is occessary for printary and middle school teachers while a lower degree of concurrence is occessary for printary and middle school teachers while a lower degree of concurrence is accessary.

for the latter caregories the type of edu-cational studies to be included in their initial degree or DipHE courses could then become

the central issue.

Within this conciliatory fromework, it is not be vitable that "large, multi-porpose institutions" about an the reneutron atutel in order to provide a delayed and informed choice of commitment for parential teachers, We can have the best of both worlds.

For instance, in March, 1977, Sunderland Polyrecimic had validated by the CNAA a

English studies

Sir.—Mr Ian Robinsons's review of volume 55 of The Year's Work in English Studies [THES,] one 24) offers an engaging proposi-

THES, have 24) offers an engaging proposition:
YiVES is one perfect and unmistakable cantualment of an establishment, a groun of people in power tool for far front the threat of opposition to feel any need to name, It would be a groud crude jett for membership of the English fliterary establishment to the anomived of in YIVES.

In volume 55 ive draw attention to the published work of more than 3,500 scholars and critics, and—despite Mr Robinson's suspicion—not a high propurition of those approved of are personably known to the editors or contributors. Your reviewer believes that we exercise mulicious discrimination.

Some after the publification of volume 53 of The Year's Work in English Studies.

Mr Rubinson wente in the English Studies.

Mr Rubinson wente in the English Trudition. That review (YRES, 63, 107-81 was written by one of the most necessible). "Outlarlites"—I was Mr Rubinson's terms, but nor his tone—and I will stems to me a madel lifs tono-und it soil seems to me a madel of judicious approclation, being informed, sensible, and expressed with preciden.

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education. The desirable prodominance of con-current teach confocation for primary ten-thers is certainly being threatested but the polarization of the issue will only damage. Bild and all four years of the Bild and all four years of the Bild and all four years of the livid burnsence is less in the first year than in the sub-

Sequein years. Finally, Francis Wright maintains that there is little flexibility in the recreamized system to street possible future increase, in the demand for teachers, in fact, Sunderland Polytechnic Illustrates have a flexible interfaculty modular system will be able to meet these needs. A small increase of students in a wide range of BA and BSc madules would merely have to be allied to a contraction of increase. he allied to a contraction of in service training to release staff for education and correction

There is no intrinsic reason why all poly-technics containing teacher-education should not develop this kind of floxibility and, at the some time, urainteln a high degree of concurrence in the education and training of printary and middle-school tenchers.
H. WEBSTER,
Dean of the Faculty of Education,
Sunderland Polytechnic.

Mr Rodharba's letter, however, goals it cleor that his distress was genuine and deep, and I am truly surry to learn that my reply was not as southing as it was means to be. Critical disagreement is meet Irnit. mty reply was not as shothing as it was meant to be. Critical disagreement is more fruitful when it is expressed with civility and respect: an faster those qualities has been the outle brief of the evitar of The Year's Work in Raglish Studies for more than half a century, and much of the critical debate in this country is conducted with fairness of mind and genorative of spiril. But in his THES review Mr. Rabinsut, having quoted a partyright from volume 55 on Poter M. Verweer's Chancer and Liberary Critician (Outlet) Oparterly Review of Anglo-dimerium Latters hallows it with a dispracefully aftensive remerk about that scholar and that journels.

mork about that scholar and that journels.
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